AUTHOR INDEX

VOLUME 19

Abagyan, Ruben, 7191 Abe, Karon, 7759 Abe, Mark K., 1301 Abraham, Ninan, 2475 Abraham, Robert T., 948 Abreu-Martin, Maria T., 5143 Achiriloaie, Mircea, 1410 Adachi-Yamada, Takashi, 2322, 7276 Adams, John W., 6765

Adams, John W., 6765 Adams, Peter D., 1068 Adler, Haskell T., 7050 Adnane, Jalila, 7519 Adonieit, Antje, 5289 Aebersold, Ruedi, 1720 Agnès, François, 307 Ahn, Natalie G., 3551, 5565, 5991

Aidinis, Vassilis, 6532 Aisner, Dara L., 6207 Aitchison, Alan, 2556 Akahane, Kouichi, 3842 Akechi, Mizuho, 7539 Åkerblad, Peter, 392 Akimenko, Marie-Andrée, 7106 Alam, Samina, 7828 Alami, Raouf, 4907 Alani, Eric, 7558 Albanese, Chris, 5785 Albanesi, Joseph P., 1410 Albert, Annie-Claude, 796 Albert, Beatrice, 4093 Albrechtsen, Nils, 2155 Alcamí, José, 4653 Aldea, Marti, 2408 Alen, Philippe, 6085 Alfranca, Arantzazu, 2032 Algarté, Michèle, 6140 Algate, Paul A., 7473 Ali, Adnan, 8033 Ali, Simak, 1002 Allegra, Carmen J., 1582 Allegretto, Elizabeth A., 3372 Allen, Kim, 8103 Allen, Nicholas D., 2556 Allis, C. David, 2061, 3624 Allison, Simon J., 4255 Allshire, Robin, 5155 Allshire, Robin C., 2351

Ammerer, Gustav, 5474 Anborgh, Pieter H., 4611 Anders, Kirk R., 5943 Anderson, David J., 6788 Anderson, James, 4167 Anderson, Philip, 5943 Andjelkovic, Mirjana, 4525,

Almonte, Ciprian, 4561

Alon, Tamar, 1159

Alseth, Ingrun, 3779

Altincicek, Boran, 3383

Altman, Amnon, 2021

Alwine, James C., 4971

Amendt, Brad A., 7001

Amann, Joseph M., 6566

Alvarez, Jesús, 4431

Alroy, Iris, 1961

5061 Ando, Miwa, 6286 André, Bruno, 989, 3360 Andrechek, Eran R., 8169 Andreev, J., 2338 Andrews, Brenda, 5267, 6729 Andrianopoulos, Alex, 99 Angelats, Corinne, 7846 Anger, Melanie, 5096 Angerer, Lynne M., 1271 Angerer, Robert C., 1271 Anjard, Christophe, 4750 Antinore, Michael J., 1673 Antoniewski, Christophe, 5732 Aperlo, Christel, 2624 Aplan, Peter D., 5025 Arai, Ken-Ichi, 5083, 5535 Aranda, Agustín, 1251 Ariño, Joaquín, 2408 Aris, John, 8559 Armesilla, Angel Luis, 2032 Armstrong, Monica, 8442 Arnaud, Danielle, 3156, 8513 Arnaud, Emmanuelle, 505 Arndt, Karen M., 8673 Arnould, Thierry, 3423 Arrebola, Rosalía, 8042 Arst, Herbert N., Jr., 1390 Aruffo, Alejandro A., 2903 Asahara, Hiroshi, 8219 Asano, Haruhiko, 3571 Asazuma, Naoki, 8326 Ashcroft, Margaret, 1751 Ashworth, Alan, 4633 Askjaer, Peter, 6276 Aszódi, Attila, 7841 Auble, David T., 412, 2835 Auron, Philip E., 6803 Auwerx, Johan, 5495 Aviram, Micheal, 3145 Avner, Philip, 3156, 8513 Avrutskaya, Anna V., 7061 Ayyanathan, Kasirajan, 4366 Aziz, Natasha, 330, 1101

Babbage, J. W., 4729 Babic, Alexander M., 2958 Bachellerie, Jean-Pierre, 1144 Bachi, Angela, 6276 Backer, Jonathan M., 5882 Backlund, Dana C., 7061 Bae, Kiho, 5316 Baetz, Kristin, 6729 Baffet, Georges, 6003 Bahramian, Mohammad B., 274 Bai, Yongli, 6642 Baier, Gottfried, 8052 Bailin, Tu, 4664 Bailly, Eric, 6872 Bajpai, Urmila, 5014 Baker, Kavla B., 1068 Baker, Richard E., 6130 Balasubramanian, Bhuvana, 2977 Balasundaram, David, 5768 Balbín, Milagros, 4431 Baldini, A., 1479 Baldwin, Albert S., Jr., 5785, 5923

Balitrand, Nicole, 7158

Ballantyne, Scott, 5707

Banditt, Michael, 4953

Band, Vimla, 733

Ballinger, Carol A., 4535

Baba, Kotaro, 4405

Bandlow, Wolfhard, 6110 Bandu, Marie-Thérèse, 2803 Bandyopadhyay, Sudip K., 4757 Baniahmad, Aria, 3383 Banks, Lawrence, 1092 Baraban, Jay M., 4711 Baralle, Francisco E., 2657 Baranyi, Mária, 7841 Bardeesy, Nabeel, 2289 Bardes, Elaine S. G., 5981. 6929 Barlow, Carrolee, 3095 Barnett, Anna, 4918 Barnier, Jean-Vianney, 136 Barouki, Robert, 6825 Barreau, Christian, 5155

Barrett, J. C., 1479
Barrett, Tamera, 1569
Barry, J. David, 5839
Bar-Sagi, Dafna, 5892
Bartels, Doug J., 6775
Bartholomeusz, Geoffrey, 8066
Bartholomew, Blaine, 5218
Barton, Michelle Craig, 1460

Bartos, David P., 2098 Barylko, Barbara, 1410 Baserga, Renato, 3816, 7203 Baserga, Susan J., 5441 Bashar, Mariam P., 1334 Basrai, Munira A., 7041 Bass, Michael, 612 Bastie, Jean-Noël, 7158

Bastin, Philippe, 8191 Batchvarova, Nikoleta, 495 Bateman, John F., 7841 Baudier, Jacques, 7168 Bauer, Birgit, 8052 Bauer, Reinhard, 194

Baumann, Heinz, 5326 Baxter, Bonnie K., 7681 Bazett-Jones, David P., 1470 Beal, Gregory, Jr., 4121 Bear, Jenifer, 6306 Beaudenon, Sylvic L., 6972

Beckmann, Jacques S., 4047 Bédard, Pierre-André, 5718 Begel, Odile, 4093 Beickman, Kristopher, 577

Becker, Peter B., 8451

Beickman, Kristopher, 577 Belaguli, Narasimhaswamy S., 4582 Belenkaja, Tatiana, 3769

Beley, Cyriaque, 4047
Belfiore, A., 3278
Bell, John C., 2475
Beloso, Ana, 2212
Belotserkovskaya, Rimma, 86
Beltrame, Monica, 6532
Benanti, Jennifer A., 5872
Bénard, Marianne, 3506
Benchimol, Samuel, 2373
Ben-David, Yaacov, 4452

Bender, Christina M., 6690 Ben-Dror, Iris, 1742 Benedik, Michael J., 2351, 5768 Bennett, Brydon L., 1526 Bennett, Richard A. O., 1800 Ben-Porath, Ittai, 3529 Ben-Shaul, Yehuda, 1742

Ben-Simchon, Levana, 6441 Bentley, D. L., 6154 Benvenisty, Nissim, 3529 Benzing, Thomas, 3423 Bergel, Michael, 3466 Berger, Lloyd, 4452 Berger, Shelley L., 86, 1202, 6621

Berget, Susan M., 78 Berk, Arnold J., 3403 Berman, Judith, 923 Bernard, Florent, 989 Bernard, Pascal, 5155 Berru, Maribel, 7031 Berry, Lynne D., 2535 Berthelier-Lubrano, Cécile, 3760

Berton, Michael T., 7264

Bertos, Nicholas R., 7816 Bertram, M. J., 1479 Bertwistle, David, 4633 Bérubé, N. G., 1479 Besser, Daniel, 1401 Bessia, Christine, 6345 Besson, Marie-Jo, 136 Betts, Jonathan C., 4241 Bevan, Charlotte L., 8383 Bhalla, Kapil, 1381 Bharadwaj, Steven, 8033 Bhaumik, Dipa, 1126 Bian, Junhui, 3145 Bianchi, Marco E., 6532 Bick, R. J., 1479 Bieniasz, Paul D., 4592 Bierwagen, Tracie A., 1369 Biesiada, Elzbieta, 2577 Biggers, John, 7237 Bignell, Elaine, 1390 Bilan, Philip J., 4008 Bilger, Andrea, 5707 Bilodeau, Marc, 6003 Birck, Catherine, 5050

Birnbaum, Morris J., 5882,

Bischoff, F. Ralf, 6276, 7782

Bisgaier, Charles L., 3145 Bjørås, Magnar, 3779 Black, Ben E., 8616 Black, Brian L., 2853 Black, Douglas L., 69 Blacketer, Melissa J., 1369 Blacklow, Stephen C., 8526 Blackmore, Valerie, 8169 Blackshear, Perry J., 4311 Blackwell, T. Keith, 3039 Blain, Stacy W., 5913 Blake, Mellissa, 1673 Blattner, Christine, 3704 Blenis, John, 2921 Blink, Elizabeth, 8604 Blobel, Gerd A., 3496 Bloch, Donald B., 4423 Bloch, Kenneth D., 4423 Blomberg, Ida, 6183 Blumberg, Peter M., 8547 Blumenthal, Thomas, 376 Boddy, Michael N., 4262 Bodwell, Jack E., 8146 Bocke, Jef D., 3184 Bogenhagen, Daniel F., 4039 Bogerd, Hal P., 4592 Bogi, Krisztina, 8547

Boles, Eckhard, 989

Bollgönn, Sigrid, 5466 Bonaldi, Tiziana, 6532 Bond, J. A., 3103 Bonefoy-Berard, Nathalie, 2021 Bonfils, Claude, 6488 Bonfoco, Emanuela, 751 Bonifacino, Juan S., 3136 Bonizzi, Giuseppina, 1950 Bonnefoy, Eliette, 2803 Bonte, Edgar, 8451 Bonvini, Ezio, 7388 Boon, Thierry, 7327 Borde, Valérie, 4832 Borja, Charlene E., 4219 Bortolin, Marie-Line, 6906 Borton, Anita J., 2495 Borts, Rhona H., 5675 Borza, Corina M., 1651 Bos, Johannes L., 3885 Bost, Frédéric, 1938 Bost, Myriam, 1938 Bösze, Zsuzsa, 7841 Botquin, V., 2635 Bottaro, Donald P., 6754 Boubnov, Nikolai V., 3877 Boufelliga, Amale, 6217 Bouhassira, Eric E., 3714, 4907 Boulay, Jocelyne, 4093 Boulukos, Kim E., 2624 Bourachot, Brigitte, 3931 Bourgeois, Cyril F., 7347 Bours, Vincent, 1950 Boutonnet, Christel, 505, 2624 Bowen, Michael A., 2903 Bowman, Tammy, 7519 Boyd, Kathryn E., 8393 Boyer, Sarah N., 733 Boyle, Kathleen A., 3607 Boynton, John E., 6980 Bradley, Grace, 2373 Brady, John N., 8136 Braguglia, Diego, 1226 Brakhage, Axel A., 99 Branlant, Christiane, 2142, 2782

Branton, Philip E., 6632 Bray, Sarah J., 4600 Breathnach, Richard, 251 Bréchot, Christian, 6345 Brehm, A., 2635 Breiling, Achim, 8451 Bren, Gary, 2180 Brennan, Paul, 4729 Brenner, D. A., 4334 Bresnick, Emery H., 5565 Bressan, Debra A., 7681 Brewer, Bonita J., 4231 Brewer, Gary, 4056 Briggs, Michael, 5495 Brindle, Paul K., 764, 5601 Broday, Limor, 3198 Brodu, Véronique, 5732 Bromberg, Jacqueline F., 1401 Bronchain, Odile, 4355 Brondello, Jean-Marc, 4262 Brosch, Gerald, 5504 Brouwer, Jaap, 934 Brown, Christopher V., 1390 Brown, Joan Heller, 6765 Brown, Victoria, 577, 7925 Brown, Vivette D., 3246 Browne, Kylie A., 8604 Brownell, James E., 2061

Bruderer, Thomas, 2895 Brugge, Joan S., 6845 Brunsting, Jeanette F., 2069 Bryce, S., 1479 Bucci, Federica, 5203 Buehrer, Benjamin M., 3969 Buettner, Reinhard, 194, 3736 Bungert, Jörg, 3062 Buonanno, Andres, 515 Buratti, Emanuele, 2657 Burde, Ronald, 353 Burgering, Boudewijn M. T., Burman, Nils, 5839 Burns, Carmel, 4643 Burton, Zachary F., 7377, 8372 Bustelo, Xosé R., 7870 Bustin, Michael, 3466, 5237 Butler, Alison J., 296 Butow, Ronald A., 6720 Byers, Breck, 1759 Byrne, Christopher H., 7473 Byrne, R., 4079

Cabello, Gérard, 7913 Cabiscol, Elisa, 8180 Caboche, Jocelyne, 136 Cacace, Angela M., 229 Cacalano, Nicholas A., 4980 Caddick, Mark X., 1390 Cado, Dragana, 1901 Cai, Ti, 7857 Cairns, Carol A., 4255 Caizergues-Ferrer, Michèle, 1144 Calabretta, Bruno, 7203 Calafat, Jero, 8158 Calhoun, Gretchen, 3018 Calvo, Olga, 4167 Calvo, Soledad, 515 Camonis, Jacques, 3798 Campanero, Miguel R., 8442 Campbell, Allyson M., 2835 Campbell, Colin, 3869 Campbell, David A., 1595 Campbell, Sharon L., 7759 Campbell, Susan, 7610 Canaani, Eli, 6441 Cantrell, Doreen, 4729 Cao, Zhaodan, 4643 Capecchi, Mario R., 3904 Caputi, Massimo, 2657 Caputo, Emerita, 3184 Caracciolo, Anna, 6240 Carballo, Ester, 4311 Carbon, John, 7461 Cardenas, Maria E., 4101 Cardiff, Robert D., 8169 Caretti, Giuseppina, 8591 Carey, Michael, 2613 Cariou, Sandrine, 6003 Carnac, Gilles, 3167 Carpenter, Graham, 4961 Carr. Brian, 5943 Carrasco, Luis, 2445 Carrasco, Nancy, 2051 Carré, Lucie, 5050 Carrier, France, 1673 Carrodeguas, José A., 4039 Carroll, Adam S., 3039 Carroll, William L., 155 Carr-Schmid, Anne, 5257 Cartwright, Peter, 6379

Caruso, Maurizia, 5203 Casadevall, Arturo, 745 Casalino, Laura, 6240 Casanova, M. Llanos, 3086 Casas, François, 7913 Cass, Lisa A., 5882 Cassar-Malek, Isabelle, 7913 Cassimeris, Lynne, 2242 Castilho, Beatriz A., 173 Cattoretti, Giorgio, 7264 Cavallo, Lora M., 4101 Cavanagh, Julie, 1569, 7245 Ceman, Stephanie, 7925 Cenciarelli, Carlo, 5203 Cerio, Michael, 7857 Cerruti, Loretta, 4182 Chaikin, Ellen, 788 Chalker, Douglas L., 5631 Chambard, Jean Claude, 2624 Chamberlain, Elaine M., 3600 Chambers, Alistair, 7481 Chambon, Pierre, 7158 Chamorro, Mario, 1498 Chan, Andrew M.-L., 6333 Chan, Henry, 2098 Chan, Tung O., 6333 Chandler, Sharon D., 1853 Chandraratna, Roshantha A. S., 3372 Chang, Brian S., 6673 Chang, Chih-Chao, 7264 Chang, Ching-yi, 8226 Chang, Eric, 8066 Chang, Meiping, 1056 Chao, Jyh-Rong, 6195, 7399 Chao, Lily C., 5588 Chari, Ajai, 5143 Charlesworth, Amanda, 1990 Charron, Frédéric, 4355 Charron, Martin, 5823 Charroux, Bernard, 7846 Chattopadhyay, Ansuman, 4961 Cheah, Kathryn S. E., 107 Chellappan, Srikumar, 7447 Chen, Alon, 2278 Chen, Cailin, 307 Chen, Chih-Chiun, 2958 Chen, Chi-Ju, 1617 Chen, Clark, 7801 Chen, Dan, 2863 Chen, David J., 3877 Chen, Dong, 4684 Chen, Dongsheng, 1002 Chen, Eddy, 612 Chen, Hung-Kai, 8536 Chen, Jiandong, 3257 Chen, Jing, 8066 Chen, Lihong, 3257 Chen, Shizhong, 7688 Chen, Tian-men, 1582 Chen, Wannhsin, 6195 Chen, Xi, 4695 Chen, Yinhuai, 6130 Chen, Yumay, 5417 Cheng, Genhong, 6665 Cheng, Haiyun, 8335 Cheng, Jeffrey, 567 Cheng, Jun, 515 Cheng, Liang, 4270 Cheng, Sou-De, 1334 Cheriyath, Venugopalan, 5014 Chernoff, Yury O., 1325, 8103

Chervinsky, David S., 5025

Cherwinski, Holly, 1101 Chiang, Yueh-Chin, 6642 Chiariello, Mario, 4289 Chiba, Tsutomu, 6415 Chiba, Yoshihiko, 4343 Chiche, Jean-Daniel, 4423 Childs, Geoffrey, 3684 Chin, Arnold I-Dah, 6665 Chin, Lisa D., 4219 Chinery, Rebecca, 7050 Chkheidze, Alexander N., 4572 Cho, H., 2130 Cho, Min Kwan, 5535 Choder, Mordechai, 2672 Choi, Jeannie, 2351 Chomienne, Christine, 7158 Chou, Min-Yuan, 69 Chow, Chi-Wing, 2300 Chow, Sek C., 5991 Choy, Bob K., 6803 Christensen, Jesper, 7741 Christiansen, Jan, 1262 Christiansen, Marret, 7782 Christophides, George, 2008 Chu, Edward, 1582 Chun, Jae Hwan, 2044 Chureau, C., 8513 Chyung, Yung, 6796 Ciechanover, Aaron, 3664 Cilli, K., 6154 Cirillo, Grazia, 6240 Claessens, Frank, 6085, 8383 Clapham, David E., 4113 Claret, Francois X., 1973 Claret, Francois-Xavier, 751 Clark, L. J., 1479 Clark, Sharon F., 7771 Clark, Susan J., 164 Clarke, Astrid S., 2515 Clarke, Louise, 7461 Cleary, Michael L., 764, 4443, 5134 Cleveland, John L., 1651 Clodi, Martin, 1081, 6765 Clotet, Josep, 2408 Coats, Steve, 612 Cochran, Brent H., 1661 Coetzee, Gerhard A., 6164 Cohen, Haim, 4153 Cohen, Herbert T., 3423 Cohen, Sarit, 6682 Cohen, Stanley N., 3696 Cohney, Solomon J., 4980 Coin, Frederic, 7951 Coleman, Sean T., 8302 Collart, Martine A., 6642 Collins, Kathleen, 567 Collins, Steven J., 3372 Collins, Tucker, 6367, 8526 Collyer, Tim, 4270 Colombi, Marco, 889 Colwill, Karen, 6991 Comai, Lucio, 2791, 2872 Commane, Mairead, 4643 Compton, Teresa, 3607 Conesa, Christine, 8042 Cong, Feng, 8314 Connell, Patrice, 4535 Conners, Jennifer R., 8272 Conquet, François, 6488 Conti, Claudio J., 6408 Cook, Peter R., 5383 Cook, Richard G., 2061

Cook, Simon J., 330 Cooke, Charles, 4971 Cool, Robbert H., 6297 Coombes, R. Charles, 1002 Cooper, Geoffrey M., 5308 Cooper, Jonathan A., 1871, 5179, 6742 Cooper, Katrina F., 3338 Copeland, Terry, 229 Copeland, William C., 4039 Copur, Sitki M., 1582 Corbit, Kevin C., 4209 Cordonnier, Agnes M., 2206 Corneillie, Siska I., 2746 Cornelius, Helen L., 5373 Costa, Max, 3198 Costa, Robert H., 8570 Costantino, A., 3278 Costanzo, Michael, 5267 Côté, Jacques, 1470, 2061 Cotmore, Susan F., 7741 Couve, Andrés, 441 Cox, Gary, 4101 Craft, Noah A., 5143 Craig, A. Grey, 4843 Craig, Elizabeth A., 7751 Cranston, Gwen, 5155 Cressman, Victoria L., 7061 Croce, Carlo M., 6441 Cron. Peter, 5061 Crosato, Milena, 7816 Crosby, Madeline A., 1159 Cross, Torry K., 5800 Crowe, Alison J., 1460 Cruz, M. Cristina, 4101 Cuddihy, Andrew R., 2475 Cuesta, Rafael, 4167 Cui, Ying, 384 Culbertson, Michael R., 6710 Cullen, Bryan R., 1210, 4592 Cunningham, John M., 4182 Czar, Michael J., 1498

d'Adda di Fagagna, Fabrizio, 6076 Dai, Charlotte Y., 3916 Dai, Heping, 6217 Dalal, Sorab N., 4465 Dalla-Favera, Riccardo, 7264 Daly, Roger, 8169 Damelin, Marc, 1547 Damjanovski, Sashko, 3958 D'Andrea, Alan D., 4866 Dang, Chi V., 1, 5339, 5696 Dang, Van Dinh, 2351, 5768 Danial, Nika N., 7264 Daniel, Juliet M., 3614 Danilevskaya, O. N., 873 Dantzer, Robert, 6229 Dargemont, Catherine, 6345 Darlington, Gretchen J., 1695, 2936 Darnell, James E., Jr., 1401, 1910, 5106, 7138 Darzacq, Xavier, 6906 Das, Biplab K., 6796 Date, Hideyuki, 7276 Datta, Rakesh, 2986 Datto, Michael B., 1821, 2495 Daub, Douglas M., 3998 Davey, Scott, 4703

Davidson, Irwin, 5050, 5486

Davis, Meryl A., 99, 6523

Davis, Roger J., 1569, 2300, 7245 Dawes, Ian W., 2650 Day, Nancy, 4552 Dean, Ann, 7600 Dean, Douglas C., 7255, 7961 Dean, Nicholas M., 1938 Deardorff, Matthew A., 7147 DeBaryshe, P. G., 873 DeBell, Karen E., 7388 Debnath, Jayantha, 1498 Debrand, E., 8513 DeCaprio, James A., 4465, 6632 De Cesare, Dario, 6240 Dechering, Koen J., 967 DeClue, Jeffrey E., 4611 De Craene, Johan-Owen, 989 Dedhar, Shoukat, 7420 Defossez, Pierre-Antoine, 3848 de la Cruz, Jesús, 7897 de la Monte, Suzanne M., 4423 Delmotte, Marie-Hélène, 3073 Deloulme, Jean Christophe, 7168 Delphin, Christian, 7168 del Rey, Francisco, 2118 Delva, Laurent, 7158 Dembla-Rajpal, Neetu, 577 Deng, Youping, 6217 Denis, Clyde L., 1056, 6642 Denton, Michael, 796 DePinho, Ronald A., 353 Deppert, Wolfgang, 2155 Deprez, Eric, 8042 de Pril, Remko, 934 Der, Channing J., 7759 Der, Sandy D., 4757 Desai-Yajnik, Vandana, 864, 7191 De Santa, Francesca, 5203 Deschenes, Robert J., 6775 DesGroseillers, Luc, 2220 Deshpande, Girish, 3018 Desiderio, Stephen, 3674 DeSimone, Susan M., 3998 De Smet, Charles, 7327 Despouy, Gilles, 7158 Destrée, Olivier H. J., 7972 Dews, Michael, 7203 Dhar, Sonu, 6963 Diaz-Meco, María T., 2180 Di Baldassarre, Angela, 7388 Dickson, Kirsten S., 5707 Di Como, Charles J., 1438 Dierich, Andrée, 7076 Díez, Eliecer, 1390 Di Lauro, Roberto, 2051 Dillard, Gwynn, 4056 Dillon, Niall, 671 Dinman, Jonathan D., 384 Di Padova, Franco, 21 Djeu, Julie Y., 7519 Docampo, Roberto, 7712 Dodt, Gabriele, 2265 Doère, Monique, 8633 Doetsch, Paul W., 2929, 4703 Doetzlhofer, Angelika, 5504 Doly, Janine, 2803 Dombek, Kenneth M., 6029 Dominska, Margaret, 7661

Dominski, Zbigniew, 835, 3561

Donepudi, Manjula, 4935

Dong, Xiangwen, 6775 Donner, David B., 6500 Donohoe, Mary E., 7237 Donzé, Olivier, 8422 Donzeau, Mariel, 6110 Dörflinger, Ulrike, 3736 Dotti, Carlos, 2212 Dou, Chang-Lin, 424 Doubeikovski, Alexandre, 121 Downing, James R., 3808, 6566 Downs, Jessica A., 6260 Downward, Julian, 4279 Dressel, Uwe, 3383 Drouin, Jacques, 2567, 7549 Drullinger, Linda F., 2109 Du, Wei, 1831 Duan, Hangjun, 3145 Duchaîne, Thomas, 2220 Duchniewicz, Marlena, 8201 Ducret, Catherine, 7076 Dudley, Jaquelin P., 4918 Dufner, Almut, 4525 Dufour, Eric, 4093 Dugail, Isabelle, 3760 Duggan, Laura J., 86 Dulic, Vjekoslav, 2624, 2109 Dulin, Nickolai O., 714 Duncker, Bernard P., 1226 Dunham, Nancy A., 8335 Dunn, Michael J., 714 Dusanter-Fourt, Isabelle, 121 Dutta, Sanjoy, 8219 Dyson, Nicholas J., 6458

Eastman, Quinn M., 3788 Eberharter, Anton, 855, 6621 Eckstein, Fritz, 788 Edery, Isaac, 5316 Edfjäll, Catarina, 2485 Edgington, Nicholas P., 1369 Ee, Hooi C., 8272 Eeken, Jan C. J., 6269 Egan, Josephine M., 1289 Egawa, Katsuya, 6765 Eggert, Martin, 3383 Egly, Jean-Marc, 7951 Eicher, Eva N., 1928 Eichten, Alexandra, 2690 Eickemeier, Solveig, 6742 Eide, Lars, 3779 Ekwall, Karl, 2351 Eldar-Finkelman, Hagit, 1427 El-Deiry, Wafik S., 3916 Eldor, Amiram, 788 Eling, Wijnand, 967 Elkeles, Adi, 2594 Elledge, Stephen J., 353 Ellinger-Ziegelbauer, Heidrun, Elliott, Stephen, 714 Ellsworth, MaryKay, 5025 Ellwood, Katharine, 2613

Elliott, Stepnen, 714
Ellisworth, MaryKay, 5025
Ellwood, Katharine, 2613
Elroy-Stein, Orna, 5429
Enderich, Janna, 2455
Enders, Greg H., 3916
Endoh, Hideki, 1049, 5363
Engel, Daniel A., 2724
Engel, James Douglas, 1558, 3062
Engelberg, David, 7529

Engelberg, David, 7529 Engelman, Jeffrey A., 353, 7289 Enríquez, José A., 657 Epping, Eric A., 2998, 8302 Erdmann, Kai S., 2265
Erdmann, Ralf, 2265
Erhardt, Peter, 5308
Erickson, Robin L., 8433
Erikson, Eleanor, 8625
Eriksson, John E., 5991
Erkine, Alexander M., 1627
Erman, Batu, 2946
Errede, Beverly, 3969
Espeso, Eduardo A., 1390
Espinos, Estelle, 3474
Espiritu, Christine, 2746
Esteban, Mariano, 4653
Evans, Ronald M., 8219
Ewen, Mark E., 7724

Fajas, Lluis, 5495

Fan, Hua-ying, 1056 Fangman, Walton L., 4231 Fanning, Ellen, 646 Fargo, David C., 6980 Farnham, Peggy J., 8393 Farrell, Susan, 4241 Fartmann, Berthold, 241 Fasano, Laurent, 7846 Fässler, Reinhard, 7841 Faustman, Denise, 8646 Fear, Mark, 3062 Fearon, Eric R., 724, 5696 Featherstone, Mark S., 7577 Feig, Larry A., 1334, 1731 Feil, Robert, 2556 Felber, Barbara K., 6306 Feldmann, Pascale, 1928 Feldmesser, Marta, 745 Feller, Stephan M., 1359 Felsani, Armando, 5203 Felton-Edkins, Zoe A., 4927 Felzien, Lisa K., 4241 Feng, Gen-Sheng, 2416 Feng, Lili, 7688 Feng, Shaw-Huey, 7995 Feng, Yong-Qing, 4907 Fenrick, Randy, 6566 Feoktistova, Anna, 2535 Ferguson, John R., 556 Ferguson, Kimberly C., 1892 Fernandes, Elma R., 4739 Fernandez, Anne, 3167 Fernández-Silva, Patricio, 657 Ferrari, Simona, 8451 Ferré, Pascal, 3760 Fesik, Stephen W., 6673 Fewell, Sheara W., 826 Field, Jeffrey, 1881 Fiering, Steven, 3714 Filippa, Nathalie, 4989 Filloux, Chantal, 4989 Fink, Gerald R., 3328, 5405 Fischer, Siegmund, 3798 Fitzgerald-Hayes, Molly, 6130 Fitzsimmons, Daniel, 2231 Flechner, Lawrence, 3816 Fleck, Oliver, 241 Flemington, Erik, 8442 Fleury-Olela, Fabienne, 6488 Flynn, Gregory C., 5298 Flynn, Paul J., 882 Fonjallaz, Philippe, 1242 Fontes, Joseph D., 941 Ford, Lance P., 6207 Foretz, Marc, 3760 Formstecher, Pierre, 3073

Fornace, Albert J., Jr., 1673, Fornerod, Maarten, 6276, 6543 Forsberg, E. Camilla, 5565 Fortes, Puri, 2212, 6543 Foster, David A., 4209, 7672 Foster, Scott A., 5642 Fotedar, Arun, 2021 Foufelle, Fabienne, 3760 Fougerousse, Françoise, 4047 Fournier, Maurille J., 7461 Fournier, Tanya M., 1784 Fowlkes, Dana, 8226 Fox, Paul L., 6898 Fox, Thomas D., 6598 Francis, Susan B., 8191 Frank, Bryan C., 6207 Frank, David A., 7519 Frank, Peter, 8361 Frank, Richard C., 3635 Frank, Ronald, 5179 Franke, Jacqueline, 8400 Frankel, Paul, 7672 Franks, Roberta R., 8570 Franza, B. Robert, 1720 Frasca, F., 3278 Fraser, J. Lee A., 4703 Frederick, Joshua P., 1821, 2495, 5969 Fredericks, William J., 4366 Freedman, Leonard P., 4191 French-Cornay, Delores, 1056 Frendewey, David, 5352 Freter, Rolf R., 4219 Freund, Gregory G., 6229 Frevert, Ernst U., 3205 Freyer, Greg A., 4703 Friedman, Josh R., 4366 Frisardi, Marta, 2198 Fritz, G., 1768 Froelich, Christopher J., 8604 Froelich-Ammon, Stacie J., 3551 Fruchart, Jean-Charles, 5495 Fry, David W., 4806 Fu, Xiang-Dong, 1853 Fuchs, Robert P. P., 2206 Fuchs, Serge Y., 3289 Fucini, Raymond V., 4684 Fujimuro, Masahiro, 6575 Fujio, Yasushi, 5073 Fujioka, Miki, 5189 Fujita, Naoyuki, 6415 Fujita, Noriko, 8281 Fujita, Toshiro, 7096

Gabai, Vladimir L., 2547 Gabriel, Scott E., 8673 Gage, Douglas A., 646 Gagel, Robert F., 78 Gagliardi, Mark, 5718 Gaiddon, Christian, 1438 Galanis, Alex, 4028

Fujitani, Yoshio, 8281

Fukui, Yasuhisa, 1346

Fung, Yuen K., 2400

Furnari, Beth, 4262

Fusaro, Gina, 7447

Fuse, Hiroaki, 1049

Futcher, B., 7357

Fujiwara, Takeshi, 8016

Fukushima, Akiko, 5453

Furusawa, Takashi, 8581

Gale, Michael, Jr., 4757 Gallia, Gary L., 2712 Gallie, Brenda L., 3246 Galloway, Denise A., 5642, 5872 Gammie, Alison E., 817 Gan, Jianmin, 4465 Ganesan, T. S., 6427 Gangloff, Yann-Gaël, 5050, 5486 Gangopadhyay, Samudra S., 2946 Ganot, Philippe, 6906 Gao, Qingshen, 733 Gao, Yanning, 7305 Garabedian, Michael J., 3748, 5036 Garcia, Marileila, 3551 García-Barrio, Minerva Teresa, 4167 Garcia-Blanco, Mariano A., 4719 Garcia-Higuera, Irene, 4866 Gari, Eloi, 2408 Gariboldi, Marzia, 1673 Garrels, J. I., 7357 Garrick, David, 3714 Garrido-Pérez, Nuria, 657 Gartner, Ulrike, 5474 Gary, Ronald, 5373 Gasser, Susan M., 1226 Gatti, Andrea, 2746 Gatto-Konczak, Fabienne Del, 251 Gaur, Rajesh K., 8263 Gause, Maria, 3443 Geacintov, Nicholas E., 8292 Geard, Charles R., 5096 Geil, Laura, 1289 Gélinas, Céline, 307 Gelman, Laurent, 5495 Genin, Pierre, 959, 6140 Gensac, Marie-Claire, 505 Gentile, Lisa N., 2231 Georgel, Philippe T., 1673 Georgescu, Maria-Magdalena, 1171 Georgiev, Pavel, 3443, 3769 Georgieva, Sofia, 3443, 3769 Georgiou, Andrew, 671 Gerlitz, Gabi, 5429 German, Michael S., 8272 Germani, Antonia, 3798 Germaniuk, Aleksandra, 8201 Gersappe, Anand, 364, 1640 Gerst, Jeffrey E., 4480 Gertler, Frank B., 5179 Gesnel, Marie-Claude, 251 Gewin, Lindy, 5872 Ghosh, Asish K., 2880 Ghosh, Sudip, 2198 Giannini, Carlo, 6345 Giffin, Ward, 1025, 4065 Giguère, Vincent, 1919 Gil, Jesús, 4653 Gildea, John, 6441 Gillham, Nicholas W., 6980 Gilman, Michael, 3727, 6845 Gim, Byung Soo, 979 Gimenez-Conti, Irma B., 6408 Gingras, Anne-Claude, 4302

Gire. V., 3103

Gisselbrecht, Sylvie, 3798

Gitig, Diana M., 1190 Glaise, Denise, 6003 Glass, Christopher K., 6367 Glaven, Judith A., 7759 Gnarra, James R., 5902 Godet, Jacqueline, 121 Godfrey, Virginia, 7061 Goebl, Mark, 1759, 6500 Goeke, Scott, 3714 Goff, Stephen P., 8314 Gogg, Gabriela, 3415 Goguel, Valérie, 2527 Goh, Phuay-Yee, 5512 Goi, Takanori, 1731 Goicoechea, Silvia, 2425 Goldfarb, David S., 1518 Goldfine, I. D., 3278 Goldman-Levi, Ronit, 1159 Goldstein, Adrian, 284 Golovnin, Anton, 3443 Gómez del Arco, Pablo, 2032 Gómez-Mouton, Concepción, 3125 Gong, Changning, 5902 Gong, Wenrong, 4065 Gonnet, Colette, 121 Gonzales, Felicidad A., 6690 Gonzalgo, Mark L., 6690 Gooding, Clare, 2699 Goodyer, Paul, 2289 Gordenin, Dmitry A., 2000, Gordon, Colin, 5155 Görlach, Jenifer M., 4101 Görlich, Dirk, 7782 Gorospe, Myriam, 1289 Goto, Masahide, 5363 Goto, Satoshi, 2322 Goto, Tadaatsu, 5189 Gotoh, Tomokazu, 7276 Gottesman, Michael M., 1450 Gottschling, Daniel E., 6608 Gould, Kathleen L., 2535, 5352 Goyal, Lakshmi, 4390 Goyal, Rakesh K., 4379 Gozani, Or, 6796 Gracheva, Elena, 3443 Gradin, Helena Melander, 2242 Gradl, Dietmar, 5576 Graf, Gregory A., 7289 Graham, Ian R., 7481 Graham, Laurie J., 7388 Gram, Hermann, 21 Grammatikakis, Aliki, 1661 Grammatikakis, Nicholas, 1661 Graness, Angela, 5289 Grant, Chris M., 2650 Grant, Patrick A., 86, 5952 Grassilli, Emanuela, 7203 Gray, Michael W., 8113 Gray, Nicola K., 807 Grdina, Therese A., 4592 Green, Douglas R., 751 Green, Nancy C., 7577 Greenberg, Steven, 8158 Greer, Peter A., 7436 Gregory, Fiona J., 1981 Gregory, Richard, 2556 Greimers, Roland, 1950 Greschik, Holger, 690 Griep, Anne E., 6458 Griffin, Beverly E., 7305 Griffin, James D., 7473

Griffith, Jack D., 7661 Grimson, Andrew, 5943 Grisaru, Dan, 788 Grøn, Hanne, 8226 Grosjean, Henri, 2142 Gross, Alec W., 6918 Gross, Barbara, 8326 Gross, David S., 1627 Gross, Kenneth W., 5025 Gross, Steffen, 5289 Grosse, Frank, 2155 Grosveld, Frank, 1558 Gruber, Chris, 3696 Grunicke, Hans H., 8052 Gu, Haihua, 3205 Gu, Liya, 8292 Gu, Yi, 1558 Guan, Kun-Liang, 5523 Guarente, Leonard, 3848 Gudas, Jean M., 612 Guerra, Cesar E., 3415 Guevara, Palmira, 7369 Guguen-Guillouzo, Christiane, Guibert, Bernard, 136 Guichard, Colette, 3760 Guillier, Martine, 7621 Gull, Keith, 8191 Gullberg, Martin, 2242 Gulyas, Sandor, 2373 Gunster, Marco J., 777 Günz, Arthur, 5466 Guo, Kun, 5073 Guo, Lea, 3580 Gustafsson, Jan-Åke, 5952 Guth, Sabine, 8263 Gutiérrez, Noelia, 4167 Gutierrez, Soraya, 7491 Gutkind, J. Silvio, 3816, 4289 Guttridge, Denis C., 5785, 5923 Guyon, Jeffrey R., 2088 Guzmán, Ernesto, 5652 Gygi, Steven P., 1720

Habara-Ohkubo, Akemi, 7096 Habener, Joel F., 7589, 8492 Haber, James E., 7558 Hach, Angela, 4324 Haché, Robert J. G., 1025, 4065, 7106 Hack, Andrew A., 1334 Häcker, Georg, 3299 Hafen, Ernst, 1928 Hagan, Kevin, 7568 Hager, Gordon L., 8146 Hagman, James, 2231 Hajduk, Stephen L., 6253 Hakak, Yaron, 6953 Halazonetis, Thanos D., 1202 Halden, Kathryn A., 7481 Halenbeck, Robert, 5548 Haley, John D., 4182 Hall, Michael N., 8344 Haller, Hermann, 7782 Halvorsen, Tanya L., 1864 Hamamori, Yasuo, 2577 Haman, Andre, 7436, 6355 Hamilton, J. A., 4079 Hamilton, Paul T., 8226 Hamilton, T. Guy, 5298 Hammell, Amy B., 384 Han, Jiahuai, 21, 7816 Han, J.-O., 3010

V

Han, Min, 5523 Han, Sang Jun, 979, 2967 Han, Zhiyong, 1381 Hanafusa, Hidesaburo, 1171. 1401 Hanaoka, Fumio, 7886 Handa, Hiroshi, 5960 Hang-Swanson, X., 1479 Hanks, Steven K., 4806 Hans, Holly, 4971 Hansel, Kimberly S., 7011 Hansford, Richard, 5659 Hanson, Eric S., 3904 Haque, Zaffar K., 6367 Hara, Eiji, 1981 Harada, Hironori, 3808 Harada, Yoshi-Nobu, 2366 Harada, Yuka, 3808 Harashima, Satoshi, 8461 Harding, Heather, 495 Hardwick, J. Marie, 5608 Hardy, Christopher F. J., 4270 Hardy, Stephen, 2724 Harfe, Brian D., 4766 Harhaj, Edward W., 7088 Harlan, John E., 6673 Harlow, Ed, 6458 Harper, J. Wade, 1068 Harrington, Maureen A., 6500 Harris, David F., 2330 Harris, Kendra, 6130 Harris, Marian H., 6673 Harris, Miera B., 7264 Hartmann, Enno, 7782 Hartmuth, Klaus, 6554 Hartsuiker, Edgar, 241 Hashimoto, Seiichi, 5363 Hashizume, Kiyoshi, 2644 Haslam, Jennifer A., 2913 Haspel, Richard L., 5106 Hassan, Ahmed, 6621 Haswell, Elizabeth S., 2817 Hateboer, Guus, 6379 Haughton, M. F., 3103 Hausdorff, Sharon, 3205 Hauser, Nik, 7841 Hautbergue, Guillaume, 2527 Havard, Laurence, 1950 Haw, Robin A., 7481 Hawkins, Tim E., 8028 Hay, Nissim, 5800 Hayashi, Doubun, 7096 Hayashi, Itsuro, 6396 Hayashi, Shin-Ichi, 7216 Hayashi, Takuma, 8646 Hayes, Steven A., 4935 Haynes, W. John, 2887 Hazan, Idit, 4019 He, Shichuan, 6598 Heard, Edith, 3156, 8513 Heder, Andreas, 2690 Hedgepeth, Chester M., 7147 Heery, David M., 8383 Heitman, Joseph, 4101, 4874 Helfman, David M., 78 Helin, Kristian, 6379 Hellerbrand, C., 4334 Helmling, Steffen, 7733 Hemati, Nahid, 8433 Hemmings, Brian, 4525, 4684, 4989, 5061 Hendrickson, Eric A., 1381 Heng, Henry H., 7816

Hengartner, Christoph J., 4774 Hengartner, Michael O., 909 Henras, Anthony, 1144 Henrion-Caude, Alexandra, 5601 Henrioud, Patricia Corthésy, 2681 Henry, Yves, 1144 Henttu, Pirkko M. A., 3895 Hentze, Matthias W., 807 Herasse, Muriel, 4047 Herceg, Zdenko, 5124 Herlyn, Meenhard, 3916 Hernandez, John, 2278 Hernandez, N., 2130 Herr, Winship, 909 Herrera, Julio E., 3466 Herrero, Enrique, 8180 Herrmann-Horle, Daniela, 2308 Herschkovitz, Avia, 1742 Hersh, Louis B., 6788 Hershenson, Marc B., 1301 Hesabi, Bahar, 7011 Heun, Patrick, 1226 Hewgill, Derek H., 2903 Heyer, Wolf-Dietrich, 5930 Heylbroeck, Christophe, 959 Heyman, Richard A., 3372 Hibi, Masahiko, 7539 Hiebert, Scott W., 6566 Hieter, Philip, 4153, 7041 Higashi, Yujiro, 8581 Higgins, Rachel R., 4452 Higgs, David C., 8479 Hildwein, Georges, 7347 Hill, Michelle M., 7771 Hill, Richard P., 2373 Hilmes, Melissa, 646 Hines, Jane C., 6174 Hines, Wirt A., 1841 Hinnebusch, Alan G., 4167 Hino, Shin-ichiro, 4414 Hino, Yasuhisa, 6286 Hinz, Michael, 2690 Hipskind, Robert A., 136 Hirata, Aiko, 471 Hiroi, Yukio, 7096 Hirose, Fumiko, 6020 Hirota, Seiichi, 2366 Hirsch, Emilio, 7841 Hirsch, Hans H., 889 Hirsch, Jeanne P., 441 Hirschman, Jodi E., 7705 Hirst, Mark C., 5675 Hiruma, Kiyoshi, 4897 Hiscott, John, 959, 2465, 6140 Hitomi, Masahiro, 4623 Hittelman, Adam B., 5036 Ho, Jennifer Hei-Ngam, 2389 Ho, Yuen, 5267 Hoang, Trang, 6355, 7436 Hoare, Sue. 3895, 8383 Hochholdinger, Franz, 8052 Hoeijmakers, Jan H. J., 3515 Hoelzer, Dieter, 5170 Hoffmann, Elke, 6742 Hoffmann, Ingrid, 6183 Hogan, N. C., 873 Hohmann, Stefan, 5474 Holaska, James M., 8616 Holbrook, Nikki J., 1289 Holdengreber, Vered, 1742

Holgado-Madruga, Marina, Holland, Pamela, 6742 Hollenbach, Andrew D., 594 Holm, Connie, 7801 Holmes, Melissa L., 4182 Holmström, Tim H., 5991 Holt, Shawn E., 6207 Holterman, Ai Xuan, 8570 Holtmann, Helmut, 6742 Holzman, Lawrence B., 7519 Hon, Thomas, 4324 Hong, Heng, 6164 Hong, Waun-Ki, 1973 Hong, Xinji, 2265 Hooper, Steven, 321 Hope, Thomas J., 3540 Hopper, James E., 7828 Hori, Masatsugu, 8281 Horner, James, 353 Hornia, Armand, 7672 Horvath, Curt M., 7138 Hosoda, Toru, 7096 Houlard, Martin, 3798 Howard, Emily L., 1990 Howard, Jeff, 4452 Howcroft, T. Kevin, 4788 Howell, Brian W., 5179 Hsieh, Chih-Lin, 46, 8211 Hsieh, Yng-Ju, 4944, 7697 Hsu, Brian, 1025 Hu, Chang-Deng, 6057 Hu, Erding, 2330 Hu, Gang, 724, 5696 Hu, Xiao, 4897, 6448 Hu, Zhaoyong, 4535 Huacani, Maria R., 6972 Huang, Huei-Mei, 7399 Huang, Hui, 3624 Huang, Jing-Yi, 8536 Huang, Lisa, 5588 Huang, Shih-Ming, 6164, 6509 Huang, Weibiao, 2613 Huang, YinYin, 2986 Huber, Sam J., 4788 Hublitz, Philip, 690 Hudson, Eric A., 6306 Hughes, David, 1928, 4633 Huibregtse, Jon M., 342, 6972 Hung, Hsiao-Ling, 3496 Hung, Mien-Chie, 8075 Hunter, Tony, 4843 Hunziker, Ernst B., 7841 Hunziker, Walter, 3136 Hurt, Eduard C., 2142 Hutt-Fletcher, Lindsey M., Huynh, Vong, 2400 Hwang, Hye Jin, 2044

Iavarone, Antonio, 916 Ichijo, Hidenori, 8469 Ichikawa, Hitoshi, 7639 Ikawa, Masahito, 2366 Ikeda, Keiko, 855 Ikeda, Satoshi, 4414 Ikeda, Tatsuya M., 8113 Ikonomov, Ognian, 623 Ilaria, Robert, Jr., 3029 Imai, Jun, 3580 Imamura, Takeshi, 1081, 6765 Imataka, Hiroaki, 7336

Hynes, Michael J., 99, 6523

Imhof, Axel, 194 Inaba, Toshiya, 2754 Inagaki, Maiko, 8344 Inbar, Ori, 4134 Ingledue, Thomas C., 835 Inoue, Eiji, 8016 Inouye, Carla J., 7123 Inukai, Takeshi, 2754 Iotsova, Violetta, 3395 Iraqui, Ismaïl, 989, 3360 Irie, Kenji, 2322, 8344 Irvine. Ryan A., 6164 Ish-Horowicz, David, 2080 Ishiai, Masamichi, 7388 Ishibashi, Kenichi, 6765 Ishihama, Akira, 7511 Ishii, Haruhiko, 2946 Ishiko, Takatoshi, 2986 Ishimi, Yukio, 8003 Ismail, Preeti M., 1508 Israël, Alain, 3664, 6345 Israeli, David, 2594 Ito, Michihiko, 7539 Ito, Toshiro, 8505 Ito, Yoshiaki, 7428 Iwama. Atsushi, 3029, 3940 Izumi, Kenneth M., 5759 Izumo, Scigo, 526

Jackson, Stephen P., 6076, 6260 Jacobs, Yakop, 5134 Jacobson, Sandra J., 2515 Jády, Beáta E., 6906 Jachning, Judith A., 1056 James, David E., 7771 Jamil, Amer, 5588 Jan, Gwenael, 7610 Jane, Stephen M., 4182 Jang, Yeun Kyu, 7630 Jans, David A., 8604 Jansen-Dürr, P., 2635 Janssen, Hans, 8158 Jansson, Emmelie, 3395 Janus, Friedemann, 2155 Javed, Amjad, 7491 Javerzat, Jean-Paul, 5155 Jaworowski, A., 4079 Jean, Dickson, 941 Jeffers, Michael, 5902 Jeggo, P. A., 3267 Jenab-Wolcott, Jenia, 4825 Jenness, Duane D., 3588, 7705 Jennings, Barbara H., 4600 Jensen, Kirsten, 5170 Jessee, Joel, 3696 Jhun, Byung Hak, 6323 Ji, Qun-sheng, 4961 Jiang, Hua, 8136 Jiang, Man-Shiow, 4855 Jiang, Wei, 4843 Jiménez, Gerardo, 2080 Jiménez, Maria J. G., 4431 Jin, Jing, 4008 Jin, Tai-Guang, 6057 Jin, Yisheng, 585 Jindra, Marek, 4897 Jinks-Robertson, Suc. 2929. 4766 Jinno, Shigeki, 3829 Joberty, Gérard, 6585 Jochemsen, Aart G., 3885 John, Susan, 1910 Johnsen, Anders H., 1262

Johnson, Arlen W., 2389 Johnson, Barton S., 3372 Johnson, David G., 6408 Johnson, Jeffrey C., 1871 Johnson, Patricia J., 2380 Johnson, Peter F., 7181 Johnson, Reid, 2613 Johnson, Steve, 1759 Johnson, Victoria L., 5991 Johnston, James A., 4980 Johnston, Stephen D., 923 Johnstone, Ricky W., 5833 Jones, Peter A., 6690 Jones, Peter L., 5847 Joneson, Tom, 5892 Jorcano, José L., 3086 Joseph, Troy, 7672 Jost, Christine A., 3257 Jove, Richard, 7519 Ju, Jingfang, 1582 Judd, Barbara, 8326 Juni, Naoto, 4405 Juven-Gershon, Tamar, 2594

Kaan, Anita M., 967 Kadonaga, James T., 8123 Kaelin, William G., Jr., 1068, 3257, 5902, 6632 Kahana, Alon, 6608 Kahana, Chaim, 3664 Kahana, Jason, 1547 Kahn, Barbara B., 3205 Kaina, B., 1768 Kajimoto, Yoshitaka, 8281 Kakizawa, Tomoko, 2644 Kaldis, Philipp, 4774 Kalita, Ann, 1092 Kam, J., 2338 Kamachi, Yusuke, 107 Kamada, Sayaka, 6815 Kampinga, Harm H., 2069 Kanaar, Roland, 3515 Kanagasundaram, V., 4079 Kanaoka, Yoshihide, 3829 Kanazawa, Satoshi, 941 Kandel, Eugene S., 5800 Kane, Thomas, 3588 Kaneki, Masao, 461 Kaneto, Hideaki, 8281 Kang, Hyen Sam, 2044 Kannan, Perry, 899 Kanner, Steven B., 2903 Kanungo, Josna, 4379 Kao, Hung-Ying, 8219 Karin, Michael, 751, 4547 Karis, Alar, 1558 Kariya, Ken-ichi, 6057 Kasahara, Hideko, 526 Kashina, Anna S., 182 Kasi, Vijaykumar S., 6858 Kasibhatla, Shailaja, 2021 Kasof, Gary M., 4390 Kasper, Lawryn H., 764 Kastner, Berthold, 6554 Kasuga, Masato, 6286 Kasuya, Yoshitoshi, 751 Kataoka, Tohru, 6057 Kato, Hiroaki, 8660 Kato, Jun-ichi, 471 Kato, Shigeaki, 1049, 5363 Kato, Yutaka, 21 Katso, R. M., 6427 Katsu, Rieko, 7639

Katze, Michael G., 4757 Katzmann, David J., 2998 Kaufman, Randal J., 1116 Kaufmann, Jörg, 5548 Kaur, Balveen, 4703 Kavanaugh, W. Michael, 1081 Kawakami, Kiyoshi, 6815 Kawamoto, Takeshi, 6318 Kawamukai, Makoto, 8660 Kay, Robert, 7759 Kayukawa, Kentaro, 7951 Ke, Ning, 484 Kedes, Larry, 2577 Keeley, Jessica L., 8254 Kehrl, John H., 714, 6665 Keil, Ralph L., 8254 Keith, Kevin C., 6130 Kelekar, Ameeta, 6673 Keller, David, 3257 Kelley, Keith W., 6229 Kellogg, Douglas, 7983 Kelly, Kathleen, 3857 Kenan, Daniel J., 8226 Kennedy, Scott G., 5800 Kennington, Elizabeth A., 4311 Kermekchiev, Milko, 796 Kerridge, Stephen, 7846 Keski-Oja, Jorma, 3654 Kessler, Marco, 7733 Khaleghpour, Kianoush, 4302 Khalili, Kamel, 2712 Khan, Leila, 5659 Kharbanda, Surender, 461, Khleif, Samir, 1582 Khosla, Sanjeev, 2556 Kieff, Elliott D., 5759 Kiel, Jan A. K. W., 2265 Kikkawa, Ushio, 6286 Kikuchi, Akihiko, 6940 Kikuchi, Akira, 4414 Kikyo, Mitsuhiro, 8016 Kiledjian, Megerditch, 4552 Kilpatrick, Daniel L., 6048 Kim, Alexander Y., 3496 Kim, Dongsoo, 8240 Kim, Emily, 3423 Kim, Han-Jong, 6323 Kim, Hongkyun, 5326 Kim, Jae B., 3760, 5495, 5960 Kim, Jinah, 441 Kim, Jungho, 2289 Kim, Juri, 2505 Kim, Myung K., 6833 Kim, Sang H., 2485 Kim, Selena, 5718 Kim, Steven J., 5588 Kim, Young-Joon, 979, 2505, 2967 Kimball, Scot R., 1871 Kimble, Judith, 2189 Kim-Ha, Jeongsil, 2505 Kimmelman, Alec C., 6333 Kimmelman, Jonathan, 4774 Kimura, Ei-ichi, 4047 Kimura, Hiroshi, 5383 Kimura, Makoto, 7511 Kindle, Karen L., 8479 King, Frederick J., 2330 King, Tom, 7461 Kingsley, Paul D., 3029 Kingston, Robert E., 2088

Kinoshita, Taisei, 2754

Kinzler, Kenneth W., 7041 Kinzy, Terri Goss, 5257 Kirkpatrick, David T., 7661 Kirsch, Kathrin H., 1171 Kishida, Michiko, 4414 Kishida, Shosei, 4414 Kiss, Istvän, 2308 Kiss, Tamás, 6906 Kitagawa, Masanobu, 2366 Kitamura, Tadahiro, 6286 Kitamura, Yukari, 6286 Kitamura, Yukihiko, 2366 Kitanaka, Sachiko, 1049 Kitzmann, Magali, 3167 Kiyokawa, Hiroaki, 7011 Kiyono, Tohru, 5872 Kjems, Jørgen, 6276 Klasson, Hanna, 5405 Klausner, Richard D., 1486, 5902 Klein, Hannah, 1056, 3415 Klein, Peter S., 7147 Klip, Amira, 4008 Kmiec, Eric B., 8686 Knippschild, Uwe, 2155 Knoblauch, Roland, 3748 Knoll, Joan H. M., 1334 Kobayashi, Ryuji, 4039, 5267 Kobayashi, Yoko, 5363 Koch, Keith A., 402 Koeffler, H. Phillip, 2400 Koff, Andrew, 1190, 7011 Koh, Sang Seok, 2044, 4774 Köhler, Fabian, 690 Köhler, Matthias, 7782, 8400 Kohli, Jürg, 241, 3515 Kohlwein, Sepp D., 3415 Kohzaki, Hidetsugu, 7428 Koike, Manabu, 2366 Koller, Beverly H., 7061 Koller, Theo, 4953 Kolligs, Frank T., 5696 Kolodner, Richard D., 7801 Komamura, Yuki, 8003 Komori, Toshihisa, 4431 Komuro, Issei, 7096 Kömüves, Laszlo G., 3051 Kondo, Shunzo, 4405 Kondo, Tae, 1136 Kondoh, Hisato, 107, 8581 Kondova, Ivanela I., 6048 Kong, Jian, 4572 Konings, Ruud N. H., 967 Konishi, Hiroaki, 6286 Kontny, H. Udo. 1673 Koochekpour, Shahriar, 5902 Kooistra, Rolf, 6269 Kophengnavong, Thiphaphone, 3039 Koranda, Manfred, 5504 Koretzky, Gary, 8326 Koromilas, Antonis E., 2475 Korsmeyer, Stanley J., 8469 Korth, Marcus J., 4757 Kotani, Ko, 6286 Koushika, Sandhya P., 3998 Kovelman, Robert, 4944, 7697 Kowalski, David, 6098 Kovama, Yoshinobu, 6803 Kozma, Sara C., 2485 Kozyreva, Olga G., 5373 Kracht, Michael, 6742 Kraïba, Radhia, 7158

Krainer, Adrian R., 1853, 3225 Kramer, Wilfried, 241 Krapivinsky, Grigory B., 4113 Krapivinsky, Luba, 4113 Krapp, Andrea, 4247 Krappmann, Daniel, 2690 Kraus, W. Lee, 8123 Krautkramer, Susan R., 2231 Kravchenko, Vladimir V., 21 Krebs, Edwin G., 317, 1427 Kremsdorf, Dina, 6345 Kresge, Kurt A., 7651 Kressler, Dieter, 7897, 8633 Kroenke, Christopher D., 5631 Kron, Stephen J., 3328 Kroon, Evert, 6355 Krosl, Jana, 6355 Krylov, Dmitry, 1508 Ku, George, 7688 Kuang, Yanan, 4866 Kuba, Robert M., 2373 Kubbutat, Michael H. G., 1751 Kubo, Masato, 6396 Kück, Ulrich, 450 Kudo, Shinichi, 6415 Kudoh, Sumiyo, 7096 Kuehner, Denise, 7264 Kufe, Donald, 461, 2986 Kufel, Joanna, 6543 Kühl, Michael, 5576 Kuhlman, T. C., 2130 Kumagai, Hiroyuki, 5083, 5535 Kumano, Satoshi, 3877 Kumar, Alok, 5601 Kumar, Jaijit, 8103 Kumar, Kotlo U., 1116 Kumar, Sanjay, 5014 Kunau, Wolf-Hubert, 2265 Kundu, Tapas K., 1605, 7697 Kung, Hsing-Jien, 8075 Kunkel, Thomas A., 3177 Kunz, Christophe, 241 Kuo, Min-Liang, 6195 Kuo, Wen-Liang, 1301 Kupiec, Martin, 4134 Kuppuswamy, Dhandapani, 6858 Kuribara, Ryoko, 2754 Kurie, Jonathan M., 1973 Kurimasa, Akihiro, 3877 Kuroda, Masahiko, 495 Kuroda, Shoji, 6286 Kurokawa, Riki, 6367 Kurosaki, Tomohiro, 7388 Kurtev, Vladislav, 5504 Kushner, David B., 2169 Kushner, Peter J., 6164 Kussick, Steven J., 7050 Kuzin, Alexander, 5189 Kuzmin, Igor, 1289 Kvatyuk, Marina, 7264 Kwon, Hakju, 6140 Kwon, Yong Tae, 182 Kwong, Angela, 3051

Labbé, Jean-Claude, 3167 Labhart, Paul, 2585 Labrecque, Sylvie, 1092 Labrie, Fernand, 1919 Lacalle, Rosa Ana, 3125 Lacoste, Judith, 6120 Ladha, Mohamed H., 7724 Laff, Geoffrey M., 4774

vii

Lafontaine, Denis, 2142, 6543 Lagger, Gerda, 5504 Lahoz, Enrique Gómez, 353 Lai, Albert, 6632 Lai, Eseng, 424 Lai, Hong, 8066 Lai, Venus Ka-Man, 8169 Lai, Wi S., 4311 Laiho, Marikki, 3654 Lakatta, Edward G., 5659 Lakin, Nicholas D., 6076 Lakshmanan, Ganesh. 1558 Lakshmipathy, Uma, 3869 Lallena, Maria-José, 2180 Lam, Du H., 5025 Lam, Paula Y. P., 594 Lamb, Ned, 3167 Lambert, Que T., 7759 Lamp, Manfred, 3415 Lan, Que, 4897 Landel, Carolyn C., 1470 Lane, David, 3704 Lane, E. Birgitte, 3086 Lane, M. Daniel, 4855 Lane, William S., 979 Langer, Thomas, 3435 Lanier, Lorene M., 5179 Laquian, Ian R., 1025 Larbolette, Oliver, 1539 Largman, Corey, 3051 Larminie, Christopher G. C.,

Larsson, Niklas, 2242
Laskey, R., 6154
La Terza, Antonietta, 5631
Latter, G. L., 7357
Lau, Anita W. S., 635
Lau, Jason, 3496
Lau, Lester F., 2958
Lau, Patrick J., 7801
Laufer, Gabriele, 5466
Lauring, Josh, 2601
Laurino, Jomar P., 173
Lavery, Daniel J., 6488
Lavigne, Anne-Claire, 5050, 5486

Lawrence, H. Jeffrey, 3051 Lazar, Mitchell A., 6448 Le. Kim. 155 Le, Shu-Yun, 5429 Leach, Steven D., 205 Leadon, Steven A., 7061 Leanderson, Tomas, 392 Lebo, Colleen M., 7828 Lebowitz, Peter F., 1831 Lee, Choogon, 5316 Lee, Dan, 1617 Lee, Eun Hae, 1313 Lee, Ho-Young, 1973 Lee, Jacqueline E., 704 Lee, Jae Woon, 6323 Lee, Jeeyong, 5523 Lee, Ji, 7651

Lee, Jong Ran, 8326

Lee, Joseph M., 6632

Lee, Kathleen C., 1460

Lee, Kwang Youl, 7724

Lee, Robert S., 4819

Lee, Shern-Fwu, 7399

Lee, Sarah J., 5441

Lee, Stephen, 1486

Lee, Wei-Ping, 8075

Lee, Wen-Hwa, 5417

Lee, Yong-Woo, 3198 Lee, Young Chul, 979, 2967, Lees, Emma, 1460, 1775, 5083 Lees, Michael J., 5811 Leevers, Sally J., 1928 Lefebvre, Bruno, 1810 Lefebvre, Philippe, 3073 Lefebvre, Yvonne A., 1025 Leffak, Michael, 5685 Le Gallic, Lionel, 4121 Legerski, Randy J., 5619 Lehmann, Alan R., 2206 Lehmann, Elisabeth, 241, 3515 Lei, Lei, 7377, 8372 Leibovitch, Marie Pierre, 7621 Leibovitch, Serge A., 7621 Leibowitz, Gil, 1864 Le Lièpvre, Xavier, 3760 Lelivelt, Michael J., 6710 Lemarchand, Patricia, 3760 Lemieux, Madeleine E., 7106 Leng, Xiaohong, 1068 Le-Niculescu, Helen, 751 Lennox, Heidi, 2231 Lenzen, Christian U., 6297 Leonard, Warren J., 1910 Leonardo, Michael J., 1498 Leone, Michelle E., 6217 Lepesant, Jean-Antoine, 5732 Lerman, Michael, 1289 Lessing, Joseph B., 788 Lethé, Bernard, 7327 Leu, Jun-Yi, 7933 Leube, Martin P., 3328 Leung, J. K., 1479 Leung, Stewart, 4798 Lev, Sima, 2278 Lévesque, Lyne, 8616 Levin, David E., 3969 Levin, Henry L., 2351, 5768 Levine, Fred, 1864 Lev-Lehman, Efrat, 788, 1182 Levy, Orlie, 2051 Lew, Daniel J., 5981, 6929 Lew, Jodi E., 923 Lezina, Larissa, 2846 Li, Baojie, 5393 Li, Dangsheng, 7191 Li, En, 7237 Li, Fugang, 2425 Li, Guo-Min, 8292 Li, Jian-Ming, 1821 Li, Jian Wu, 1526 Li, Joachim J., 4888 Li, Lei, 5619 Li, Limin, 3696 Li, Luowei, 8547 Li, Qing, 5339 Li, Qiyu, 7336 Li, Suiyang, 2475 Li, Weigun, 3816, 6333 Li, Xiaotong, 1068 Li, Xiaoxia, 4643 Li, Xi Susan, 3571

Li, You-Jun, 4452

Lian, Jane B., 7491

Liao, Pao-Chi, 646

Liao, Yong, 8075

Liao, Mai-Jing, 3095

Liberati, Nicole T., 1821

Li, Yu, 3588

Li, Zhe, 3684

Licatalosi, D., 6154 Lichten, Michael, 4832 Lieber, Michael R., 8094 Lieberman, Paul M., 1617. 2846, 7610 Liebhaber, Stephen A., 4572 Liebmann, Claus, 5289 Liegeois, Nanette J., 353 Lieuw, Ken H., 1558 Lim, Kim-Chew, 1558 Lim, Susan E., 4039 Lin, Danjun, 284 Lin, Janine T., 3237 Lin, Jun-Hsiang, 1661 Lin, Phoebe, 4379 Lin, Rongtuan, 959, 2465 Lin, Shirley, 7399 Lin, Yunfu, 8353 Linder, Patrick, 7897, 8633 Lindquist, Susan L., 1325 Linehan, W. Marston, 5902 Ling, Pin, 1359 Linhoff, Michael W., 431 Linn, Stuart, 4935 Linsinger, Georg, 3299 Liou, Jiing-Ren, 461 Lis, John T., 3237, 5652 Lisanti, Michael P., 7289 Liston, David R., 2380 Litzka, Olivier, 99 Liu, Bin, 6471 Liu, Bo, 424 Liu. Edison T., 8075 Liu, Feng, 5113 Liu, Hai-Yan, 6642 Liu, Haoping, 4019 Liu, Jinqi, 4918 Liu, Keyi, 3696 Liu, Lin, 1202 Liu, Li-Qin, 3029 Liu, Qiang, 6229 Liu, Qing, 8673 Liu, Qinghui, 3062 Liu, Vivian F., 1126 Liu, Xuan, 2746 Liu, Yi, 909 Liu, Yu, 4219 Liu, Zhengchang, 6720 Liu, Zhi, 4008 Ljungdahl, Per O., 5405 Lo, David, 7688 Lo, Eric, 7191 Lo. Shyh-Ching, 7995 Lobachev, Kirill S., 5373 Loeb, Jonathan D. J., 4019 Loh, Dennis Y., 4200 Lohman, Paul H. M., 6269 Loik, Valerie I., 5257 Lonard, David M., 1182 Long, Meredith B., 6479 Longmore, Gregory D., 4379 Longo, Dan L., 5659 Longtine, Mark S., 6929 Loo, Joseph A., 3145 Look, A. Thomas, 2754 Loomis, William F., 4750 López, José M., 4431 Lopez-Molina, Luis, 6488 López-Otín, Carlos, 4431 López-Pérez, Manuel J., 657 Lorenzi, Matthew V., 6754 Lorenzo, Elisa, 2032 Lorenzo, Patricia S., 8547

Lou, Hua, 78 Love, Paul E., 8326 Lowell, Joanna E., 2515 Lowy, Douglas R., 4611 Loy, Chong Jin, 3312 Loyer, Pascal, 6003 Lu, Haiping, 4056 Lu, Hanxin, 8136 Lu, Hua, 3257 Lu, Jian-rong, 4495 Lu, Tao, 1508 Lu, Xiaoyan, 5619 Lu, Yong-Jun, 1144 Lu, Zhimin, 7672 Lührmann, Reinhard, 2782, 6554 Lukacsovich, Tamas, 8353 Luo, Ming. 2220 Luo, Xu, 1508 Lurquin, Christophe, 7327 Lustgarten, Vardit, 4480 Lutterbach, Bart, 6566 Lyakhov, Dmitry L., 4572 Lybarger, Suzanne, 577 Lydall, David, 3312 Lygerou, Zoi, 2008 Lykke-Andersen, Jens, 1262

Ma, Han, 6164 Ma, Ly, 7828 Macara, Ian G., 6585, 8400 Macaulay, S. Lance, 7771 MacDougald, Ormond A., 8433 Mach, Bernard, 3940 Macián, Fernando, 3645 Mackey, David, 3349 Mackman, Nigel, 7688 MacNicol, Angus M., 1990 MacRae, Thomas H., 8191 Maddelein, Marie-Lise, 4516 Magis, Wendy, 3714 Magnenat, Laurent, 3457 Magrogan, Serena F., 1627 Mahalingam, Malathy, 1871 Maher, Veronica M., 147 Mahmood, Riaz, 6174 Mahon, Gwendolyn M., 7759 Mahony, Daniel, 1460, 1775, 5083 Mahrenholz, Alan M., 7020 Mai, Zhiming, 2198 Maira, Mario, 7549 Maira, Sauveur-Michel, 5061, 7076 Maitra. Umadas, 1416 Majesky, Mark W., 4582 Majima, Kei, 4405 Major, Michael L., 3977 Mak, Ho Yi, 3895 Makeyev, Alexander V., 4572 Makino, Yasutaka, 7951 Maley, Frank, 1582 Maley, Gladys F., 1582 Malim, Michael H., 1218 Malinin, Nikolai L., 6742 Maller, James L., 2485, 8625 Mallory, Julia C., 6065 Mallory, Michael J., 3338 Malott, Michelle, 5685 Mamane, Yael, 2465 Mañes, Santos, 3125 Mangelsdorf, David J., 1973 Maniatis, Tom, 261, 1705

Manley, James L., 6991 Mann, Mana, 4219 Mann, Matthias, 1526 Manning, Anthony M., 1526 Manning, E. Tory, 8123 Mano, Toshiaki, 5073 Mantovani, Roberto, 8591 Mao, Pei-Lin, 5718 Mao, Shifeng, 3635 Marchal-Victorion, Sophie, 7913 Marcora, Edoardo, 704

Marcus, Stevan, 8066 Margueron, Raphael, 6488 Marinissen, Maria Julia, 4289 Marión, Rosa María, 2212 Marks, Andrew R., 6041 Marmorstein, Ronen, 1202 Maroun, Christiane R., 1784 Marshall, Christopher J., 321, 4633

Marston, Nicola J., 4633 Marszalek, Jaroslaw, 8201 Martelange, Valérie, 7327 Martens, Christine, 7549 Martin, David I. K., 3714 Martin, Genevieve, 5495 Martin, G. Steven, 6953 Martin, Jay, 5548 Martin, Kathleen A., 2921 Martin, Michelle E. D., 3403 Martin, Stuart S., 1081 Martínez, Concepción, 8263 Martinez, Ricardo, 2278 Martínez-A., Carlos, 3125 Martínez-Martínez, Sara, 2032 Martinson, Harold G., 5588 Maruyama, Kazunori, 5363 Marx, Steven O., 6041 Marzluff, William F., 835, 3561 Masai, Hisao, 5083, 5535 Masloff, Sandra, 450 Massagué, Joan, 916, 5913 Massenet, Séverine, 2142 Masuhiro, Yoshikazu, 1049, 5363

Masumi, Atsuko, 1810 Mateyak, Maria K., 4672 Mathes, Karen, 229 Mathias, Neal, 1759 Matlashewski, Greg, 1092 Matsuda, Hideyuki, 8660 Matsufuji, Senya, 7216 Matsui, Etsuko, 5535 Matsui, Yasushi, 3580 Matsukage, Akio, 6020 Matsumoto, Akira, 4343, 6396 Matsumoto, Ken, 6940 Matsumoto, Kunihiro, 1136, 2322, 8344 Matsunaga, Tsukasa, 2366

Masukata, Hisao, 6699, 7228

Matsuo, Eri, 8461 Matsuoka, Taka-Aki, 8281 Matsuzaki, Hidenori, 6286 Mattaj, Iain W., 2782, 6276, 6543 Mattei, Elisabetta, 5203 Matthews, Keith R., 8191

Mattison, Christopher P., 7651 Matts, Robert L., 5861 Mavrothalassitis, George, 4121 Maya, Ruth, 3257

Mayeda, Akila, 1853 Mayo, Marty W., 5923 Mayr, Gabriele, 155 Mazo, Alexander, 5189, 6441 Mazumder, Barsanjit, 6898 Mbacham, Wilfred, 967 McCaffrey, Jennifer, 6458 McCartney, Rhonda R., 4561 McConnell, Beth B., 1981 McCormick, J. Justin, 147 McCracken, S., 6154 McDonald, David, 3540 McDonald, W. Hayes, 5352 McDonnell, Donald P., 6972, 8226

McDowell, Jennifer C., 7600 McFarland, Ellen Cahir, 5759 McGinnis, Lynda, 7237 McGregor, W. Glenn, 147 McGurk, Gordon, 5155 McInerney, Eileen, 6367 McIntosh, Lawrence P., 2231 McKay, Michael J., 3515 McKay, Robert, 1938 McKinsey, Timothy A., 4495 McLaughlin, C. S., 7357 McLees, Angela, 4255 McMahon, Christine, 7724 McMahon, Martin, 330, 1101 McMillan, John N., 5981, 6929 McNiven, Mark A., 7289 McVeigh, Jennifer, 7436 Méchali, Marcel, 6682

Mecham, Robert P., 7314 Mechler, Bernard M., 2308 Meinkoth, Judy L., 5882 Meistrich, Marvin L., 5001 Melville, Sara E., 5839 Ménard, Robert, 2895 Mengus, Gabrielle, 5050, 5486 Menut, Sophie, 6682 Mercola, Dan, 1938 Mercurio, Frank, 1526 Meric, Funda, 3958

Meriin, Anatoli B., 2547 Mermod, Nicolas, 6825 Merrick, William C., 7336 Merrill, Bradley J., 7801 Merville, Marie-Paule, 1950 Metzger, Daniel, 5363 Meyer, Christian F., 1359 Meyerowitz, Elliot M., 8505 Michaud, Neil R., 229 Middlesworth, Tamara, 3540 Migone, Thi Sau, 4980 Miki, Toru, 6754

Miller, Charles A., 6098 Miller, Chaya, 1159 Milner, Jo. 7501 Milocco, Lawrence H., 2913 Min, Soyoung, 2967 Mineo, R., 3278

Mingot, José-Manuel, 1390 Mira, Emilia, 3125 Miscia, Sebastiano, 7388 Misra, Ravi P., 3977 Mitchell, David A., 6775

Mitchell, James R., 567 Mitra, Jayashree, 3916 Mitsuuchi, Yasuhiro, 5073 Mitsuzawa, Hiroshi, 7511

Mittnacht, Sybille, 3086 Miyajima, Atsushi, 2754 Miyaji-Yamaguchi, Mary, 6940 Miyake, Tsuyoshi, 5535 Miyamoto, Takahide, 2644 Miyazaki, Jun-Ichi, 8281 Miyazaki, Yasushi, 3635 Miyazawa, Hiroshi, 7886 Mizuno, Takeshi, 7886

Mizunuma, Nobuyuki, 1582 Mizzen, Craig A., 2061 Mo, Xianming, 4664 Molkentin, Jeffery D., 2853 Molnar, Monika, 3515 Monardo, P., 7357

Mongelard, Fabien, 3156 Monkhouse, Jayne, 8028 Montarras, Didier, 4047 Montecino, Martin, 7491 Montminy, Marc, 5601, 8219 Montova, Julio, 657

Monzen, Koshiro, 7096 Moon, Randall T., 1427 Moons, David S., 7011 Moore, Claire, 7733 Moore, David D., 6323

Moore, Lynda, 5267 Moore, Melissa, 704 Moore, Paul A., 7610 Moore, Rick, 6318 Morales, Julia, 4572 Morano, Kevin A., 402

Moras, Dino, 690, 5050 Moreau, Sylvie, 556 Morel, Yannick, 6825 Morey, Kristin, 577 Morey, Natalie J., 2929 Morgan, Melissa, 7828

Mori, Eiji, 2322 Moribe, Hiroki, 8581 Morino, Shigenobu, 7336 Morle, François, 121 Moroni, Christop!, 889 Moroni, Maria Cristina, 6379

Morphew, Mary, 5768 Morris, Gilbert F., 12 Morrison, Ciaran, 5166, 6891 Morrison, Deborah K., 229 Morrow, Theresa A., 5608 Morse, Randall H., 2977, 5279

Mosavin, Rashid, 4241 Moscat, Jorge, 2180 Moser, Markus, 194, 3736 Moss, Stephen E., 8028 Mosser, Dick D., 2547

Motiwala, Aparna, 1526 Motorin, Yuri, 2142 Motta, Maria Carla, 8591 Mouchon, Arnaud, 3073 Moussaif, Mustapha, 6217 Movilla, Nieves, 7870

Moye-Rowley, W. Scott, 2998, 8302 Muchardt, Christian, 3931 Mueller, LeMoyne, 3372 Mueller, Tom, 3145 Mugat, Bruno, 5732

Mui, Alice, 4980 Mukai, Yukio, 8461 Mukhopadhyay, Nishit K., 4819 Muldrow, Tamara A., 2835 Mulet, Jose M., 3328 Muljo, Stefan A., 5608

Müller, Carsten, 2400 Müller, Fritz, 3457

Müller, Heiko, 6379 Muller, William J., 8169 Munck, Allan U., 8146 Mundy, C., 3010 Murakami, Hiroshi, 1038 Murakami, Yasuko, 7216 Murakami, Yota, 7428, 8660 Muramatsu, Masami, 5453, 7951 Murayama, Akiko, 1049

Muro, Andrés F., 2657 Murphy, Charles, 4788 Murphy, Daniel J., 2724 Murphy, Kenneth M., 4200 Murray, Brion W., 1526 Musarò, Antonio, 3115 Muslin, Anthony J., 4379

Mustelin, Tomas, 2021 Muthuswamy, Senthil K., 6845 Myers, Alan M., 1369 Myers, Timothy G., 1673

Nabel, Gary J., 4241 Nabholz, Markus, 2681 Nabi, Ivan R., 2220 Nabirochkina, Elena, 3769 Naeve, Clayton W., 3808 Näf, Dieter, 4866 Nagata, Kyosuke, 6940 Nair, Asha P. K., 889 Najib, Jamila, 5495 Nakabeppu, Yusaku, 7539

Nakada, Shuji, 2986 Nakagawa, Kazumi, 2828 Nakagawa, Tsuyoshi, 8660 Nakahata, Tatsutoshi, 6396 Nakamura, Makoto, 2322 Nakamura, Tatsuya, 6441

Nakano, Akihiko, 471 Nakao, Mitsuyoshi, 6415 Nakaoka, Takashi, 7096 Nakashima, Naoki, 6765 Nakatani, Yoshihiro, 1810,

3466, 8136 Narayanan, Aarthi, 8412 Narendia, Frank M., 6523 Narlikar, Geeta J., 2088 Narsimhan, Radha P., 4819

Nasheuer, Heinz-Peter, 646 Nath, Niharika, 7447 Naujokas, Monica A., 1784 Naumovski, Louie, 4443 Nawaz, Zafar, 1182 Neel, Benjamin G., 3205, 4819

Neely, Kristen E., 5952 Neff, Carrie L., 5557 Negishi, Masahiko, 6318 Nemer, Georges, 4355 Nemer, Mona, 4355

Nepomuceno, Luviminda, 6509 Neufeld, Ellis J., 284, 4918 Neumann, Markus, 1486 Neupert, Walter, 3435, 8201

New, Liguo, 21 Newnam, Gary P., 1325, 8103 Ng, Raymond W. M., 635 Nguyen, Carvell T., 6690 Nguyen, Hoang, 1190 Nichols, Anne F., 4935

Niehrs, Christof, 6276 Nielsen, Finn C., 1262 Nielsen, Jacob, 1262 Nielsen, Peter J., 1539 Nierras, Concepcion R., 5393 Nikaido, Osamu, 2366 Nikodem, Vera M., 6833 Nimer, Stephen D., 3635 Ning, Y., 1479 Nishida, Yasuyoshi, 2322, 7276 Nishide, Junko, 8660 Nishikawa, Shuh-ichi, 471 Nishimoto, Masazumi, 5453 Nisson, Paul E., 3696 Niwa, Osami, 8660 Nobile, Massimo, 3136 Nogalo, Anto, 8052 Nolan, Garry P., 2373 Nolan, John P., 5373 Nolan, Kate, 6120 Nollen, Ellen A. A., 2069 Nomura, Masayasu, 8559 Norris, John D., 8226 Norris, Tracy B., 5298 Nosanchuk, Joshua D., 745 Novina, Carl D., 5014 Novoa, Isabel, 2445 Nowrousian, Minou, 450 Nunes, Alvaro, 2895 Nussenzweig, Ruth S., 2895

Oakes, Melanie, 8559 Obaya, Alvaro J., 4672 O'Brien, Darin P., 3808 O'Connor, J. Patrick, 7733 O'Donovan, Kevin J., 4711 Oehrl, Wolf, 1359 Oettinger, M. A., 3010 Ogawa, Wataru, 6286 Ogawa, Yuya, 7228 Ogino, Keiko, 5535 Ogniewski, Vera, 6276 Ogryzko, Vasily V., 8136 Oh, Eok-Soo, 3205 Oh, Hye-Sun, 7181 Ohba, Reiko, 2061 Ohbo, K., 2635 Ohi, Ryoma, 5352 Ohki, Misao, 7639 Ohno, Makoto, 2051 Ohno, Mutsuhito, 6276 Ohto, Hiromi, 6815 Ohtsuka, Satoshi, 6396 Oka, Toru, 7096 Okabe, Masaru, 2366, 6396 Okada, Tomoyo, 6057 Okamoto, Takashi, 7289 Okayama, Hiroto, 1038, 3829 Okazaki, Koei, 8660 Okorokev, Andrei L., 7501 Okuda, Akihiko, 5453 Okumura, Katsuzumi, 6415 Okuno, Yukiko, 6699 Olefsky, Jerrold M., 1081, 6765 Olive, Michelle, 251 Olson, Ann Louise, 4684 Olson, Eric N., 21, 2853, 4495 Oltz, Eugene M., 2773 O'Malley, Bert W., 1182 Ono, Yasuko, 4047 Onuki, Tomoya, 7276 Ordahl, Charles P., 296 O'Rear, Lynda, 646 Orejas, Margarita, 1390 Oren, Anat, 1742 Oren, Moshe, 2594, 3257 Orian, Amir, 3664

Orth, Donald, 4423 Ortín, Juan, 2212 Ortiz, Benjamin D., 1901 Osada, Masako, 6333 O'Shea, Erin K., 2817 Osheroff, Neil, 3551 Oshiro, Guy, 4888 Ossipow, Vincent, 1242 Ota, Irene M., 7651 Ott, Robert, 646 Otte, Arie P., 57, 777 Ottmann, Oliver Gerhard, 5170 Ouellette, Michel, 6207 Ovsenek, Nick, 8033 Owen, James D., 4806 Owens, Julia C., 4888 Owen-Schaub, Laurie B., 2098 Ozaki, Hidenori, 6815 Ozato, Keiko, 1810 Ozawa, Keiya, 2754 Ozer, Josef, 7610

Pace, Paul E., 1002 Pacella, Lisa A., 86 Pacheco, Eliza, 173 Pacot, Corinne, 3760 Pagani, Franco, 2657 Pagano, Joseph S., 3216 Page, Michelle F., 5943 Pagès, Christiane, 136 Pai, Chi-Yun, 8536 Paige, Lisa A., 8226 Paik, Paul K., 6652 Palandjian, Leon, 6796 Palis, James, 3029 Palladino, Andrew A., 5143 Pallante, Michael, 4289 Pallotta, Dominick, 3506 Palmeri, Diana, 1218 Pan. Jing. 3940 Pan, Lihua, 2495, 5969 Pan, Xuewen, 4874 Pandey, Pramod, 461 Pandini, G., 3278 Pandita, Raj K., 5096 Pandita, Tej K., 2373, 5096, 6963 Pandolfi, Pier Paolo, 7011, 7264 Pantazis, Panayotis, 1381 Papageorge, Alex G., 4611 Papagiannopoulos, Peter, 99 Paquette, Alice J., 6788 Paradis, Pierre, 4355 Paramio, Jesús M., 3086 Paraskeva, Efrosyni, 807 Pardue, M. L., 873 Parenteau, Julie, 4143 Parisi, Sandro, 241, 3515 Pariyarath, Rajalakshmi, 2657 Park, Brian, 1334 Park, Jin Mo, 2967 Park, Min S., 5373 Park, Morag, 1784 Park, Peter U., 3848 Park, Seok Hee, 2044 Park, Soon Jung, 979 Parker, David, 5601 Parker, Malcolm G., 3895, 8383 Parker, Peter J., 5061 Parker, Roy, 5247 Parkinson, E. K., 1479 Parks, William C., 7314 Paro, Renato, 8451

Parry, David, 1460, 1775 Parsons, J. Thomas, 6120 Paschal, Bryce M., 8616 Pascolini, Donatella, 5930 Pascual, Gabriel, 1526 Pasero, Philippe, 1226 Pasquet, Jean-Max, 8326 Pasquier, Olivier, 2624 Passalaris, Tina M., 5872 Pastan, Ira, 1450 Pastink, Albert, 6269 Patel, Mahendra, 1582 Patel, Sunil, 3062 Paterson, Hugh F., 321 Pati, Debananda, 5001 Patterson, Cam, 4535 Paululat, Achim, 3383 Pause, Armin, 1486 Pavlakis, George N., 1486 Pawson, Tony, 3205, 6991, 8169 Payá, Carlos V., 2180 Payne, Aimee S., 4379 Payne, John M., 7050 Payton, Marc, 612 Pazdernik, Nanette J., 6500 Pearce, David, 5036 Peeters, Ben, 6085 Pelletier, Jerry, 2289 Pelletier, Nadine, 7816 Pelpel, Karine, 7621 Peltz, Stuart W., 384, 7568 Peñalva, Miguel A., 1390 Peng, Xiao-Cong, 8240 Penkar, Nameeta, 4056 Penn, Bennett, 1871 Pereira-Smith, O. M., 1479 Pérez-Martos, Acisclo, 657 Perez-Villar, Juan J., 2903 Perfect, John R., 4101 Perkins, Neil D., 3485 Perlmutter, Roger M., 4200 Perlungher, Richard R., 6585 Persengiev, Stephan P., 6048 Persinger, Jim, 5218 Peruzzi, Francesca, 7203 Pessin, Jeffrey E., 4684 Pestell, Richard G., 5785 Peterlin, B. Matija, 941 Peters, Gordon, 1981 Peterson, Carolyn A., 5619 Peterson, Craig L., 1470 Peterson, Scott R., 3877 Petes, Thomas D., 6065, 7661 Petrini, John H. J., 7681 Petruk, Svetlana, 5189, 6441 Philip, Bevin, 3969 Philips, Alexandre, 7549 Phillips, Robert A., 3246 Phillips, Ruth S., 4311 Picard, Didier, 8422 Pierce, Angela M., 6408 Pierce, Jacalyn H., 3816 Pierce, Richard A., 7314 Pierron, Gérard, 3506 Pietenpol, Jennifer A., 205 Pietropaolo, Robin L., 3607 Piette, Jacques, 1950 Pikaard, Craig S., 796 Pillai, Shiv, 5014 Pillus, Lorraine, 2515 Pim, David, 1092 Pimental, Ruth, 8066 Pinset, Christian, 4047

Pintel, David J., 364, 1640 Pipaón, Carlos, 2734 Pirovano, Manuela, 3779 Pise-Masison, Cynthia A., 8136 Piskurich, Janet F., 431 Pitha, Paula M., 959 Piwnica-Worms, Helen. 5113, 7410 Pizzini, Mark, 8254 Plon, Sharon E., 5001 Plowman, G., 2278, 2338 Poch, Olivier, 5050 Pöggeler, Stefanie, 450 Pognonec, Philippe, 2624 Pollack, Sidney, 7792 Pollard, Jeffrey W., 2251 Polycarpou-Schwarz, Maria, 2782, 6543 Pomiès, Christelle, 3474 Pommier, Yves, 1673 Pont-Kingdon, Geneviève, 155 Poon, Ernest, 1617 Poon, Michael, 6471 Poon, Randy Y. C., 635 Pope, Louise, 7106 Popielarz, Michel, 7347 Postigo, Antonio A., 7255, 7961 Potapova, Olga, 1938 Pourquier, Philippe, 1673 Pouysségur, Jacques, 2763 Prabhu, Leena, 424 Prasad, Jayendra, 6991 Prats, Anne-Catherine, 505 Prats, Hervé, 505 Prawitt, Dirk, 2289 Preer, John R., Jr., 7792 Preer, Louise B., 7792 Préfontaine, Gratien G., 7106 Prehn, Siegfried, 7782 Prendergast, George C., 1831 Prendergast, Gregory V., 5882 Price, Gavrielle, 7558 Prieve, Mary G., 4503 Pringle, John R., 6929 Prinz, Heino, 6297 Prisco, Marco, 7203 Pritchard, Colin E. J., 764 Prives, Carol, 1438 Proft, Markus, 537 Prosperini, Elena, 6379 Proudfoot, Nick J., 1251 Prywes, Ron, 1313, 4695 Pscherer, Armin, 3736 Pu, William T., 4113 Puccetti, Elena, 5170 Puljanowski, Lara, 384 Puoti, Alessandro, 2189 Puri, Pier Lorenzo, 5203 Pyronnet, Stéphane, 4302

Qi, Jian-shen, 864 Qian, Xiaolan, 4611 Qian, Ying, 8361 Qian, Yue-Wei, 8625 Qiu, Junzhuan, 8361 Qiu, Yi, 704 Qu, Liang-Hu, 1144 Quek, Lynn, 8326 Quinn, Kathryn A., 2650 Qyang, Yibing, 1508

Radfar, Arash, 4825 Radhakrishnan, Ishwar, 5601 Rajavel, Mathumathi, 3969

Sbrissa, Diego, 623

Richards, William J., 4633 Richardson, James A., 4495 Richter-Cook, Nancy J., 7336 Riddiford, Lynn M., 4897 Riechmann, José Luis, 8505 Riedel, Heimo, 6217 Riley, Elisabeth A., 5759 Rincón, Mercedes, 2300 Rios, Gabino, 3328 Ritchie, Kim B., 6065 Riteco, Nicole, 3885 Rivera, Morris, 5601 Roach, Peter J., 7020 Roan, Judith G., 7369 Robbins, Paul D., 846 Roberts, Shannon M., 86 Roberts, Thomas M., 2330,

4819 Robertson, Keith D., 6690 Robinson, Dan, 8075 Robinson, Murray O., 612 Robinson, Nicholas P., 5839 Robinson, Nicole G. G., 3580 Rochard, Pierrick, 7913 Rochette-Egly, Cécile, 7158 Rochon, Yvan, 1720 Rodier, Anne, 7913 Rodrigues, Claudia O., 7712 Rodriguez, Jose, 7995 Rodríguez-Manzaneque, Maria Teresa, 8180 Roeder, G. Shirleen, 7933 Roeder, Robert G., 1605, 4944, 5383, 7697, 7951 Roelofsen, Han, 2069 Roes, Jürgen, 8028 Roessler, Lisa M., 5902

Rogatsky, Inez, 5036 Rogers, George W., Jr., 7336 Rogers, Jim A., 8335 Rogers, Rick, 2198 Rognes, Torbjorn, 3779 Rohrschneider, Larry R., 7473 Roignant, Jean-Yves, 5732 Roinick, Kelli L., 8673 Rojo, Manuel, 8633 Romanelli, Angela, 2921

Romanclli, Angela, 2921 Romano, Gaetano, 7203 Romanowski, P., 6154 Rombauts, Wilfried, 6085 Romero, Daniel P., 2887 Romero, Francisco, 3798 Romier, Christophe, 5050 Ron, David, 495 Ronai, Diana, 7031 Ronai, Ze'ev, 3289

Rooke, Nanette, 69 Rooney, Robert J., 4739 Ros, Joaquim, 8180 Rosberg, Maria, 392 Rose, David W., 6367 Rose, Mark D., 817 Rosen, Jonathan, 2913 Rosenberg, Naomi, 4825 Rosenfeld, Michael G., 6367

Rosenthal, Ben, 2198 Rosenthal, Nadia, 3115 Rosenzweig, Anthony, 4423 Rosner, Marsha Rich, 1301, 4209

Ross, Sarah E., 8433 Rossman, Kent L., 7759 Roth, Christina, 194 Roth, D. B., 3010 Roth, Sharon Y., 8461 Rothblum-Oviatt, Cynthia,

5113

Rotheneder, Hans, 5504 Rothman, Joel H., 1892 Rothman, Paul B., 7264 Rottinghaus, S. T., 3267 Rougier-Chapman, Elissa M.,

1821 Roussel, Martine F., 353, 594 Rowson, J. M., 3103 Roy, Ananda L., 5014 Roy, Rupa, 1686 Royal, Isabelle, 1784 Rozenblatt-Rosen, Orit, 6441

Rozenfeld, Sophia, 3051 Rozovskaia, Tanya, 6441 Rubin, Gerald M., 229 Rudman, Bertina, 7792 Rudolph, Claudia, 241 Ruest, Paul J., 4806 Ruf, Ingrid K., 1651 Ruffner, Heinz, 4843 Ruis, Helmut, 5474 Rümmele, Petra, 3736 Runge, Kurt W., 31 Rusanescu, Gabriel, 1731 Ruse, Michael D., Jr., 6509 Russell, Jamie L., 6408 Russell, Paul, 4262 Russell, R. B., 6427 Russo, Andrew F., 7001 Rusterholz, Corinne, 2681 Ruthardt, Martin, 5170 Ryabchenko, Ludmila, 3395 Ryan, Christine E., 5113 Rvan, Robert F., 4366 Rymond, Brian C., 577

Ryu, Gi-Hyuck, 979

Sabatini, D. D., 2338 Sabbattini, Pierangela, 671 Sable, Carol L., 4989 Sachs, Alan B., 5557 Sadofsky, Moshe J., 4664 Saez, Rosana, 6333 Safak, Mahmut, 2712 Sainsard-Chanet, Annie, 4093 Sakaguchi, Kazushige, 6754 Sakaguchi, Kazuyasu, 3466 Sakurai, Hitomi, 7511 Salomoni, Paolo, 7203 Salunek, Moreh, 7610 Salvadore, Christopher, 6642 Samaras, Susan, 704 Samelson, Lawrence E., 6652. 8326 Sample, Jeffery T., 1651 Samuels, Herbert H., 864, 7191 Samuelson, John, 2198 Sancar, Gwendolyn B., 7630 Sanchez, Ricardo, 835, 3561 Sanden, David, 4980 Sanders, Michel M., 3600 Sano, Yorikata, 2322 San-Segundo, Pedro, 2118 Santagata, Sandro, 6532 Santoro, Nicholas, 402 Saragovi, H. Uri, 7577 Sarkar, Sovan, 1390 Sarraf, Pasha, 2330 Sarrazin, Sandrine, 121 Sartorelli, Vittorio, 2577 Sasaki, Masao S., 5166 Sasaki, Takayo, 547 Satijn, David P. E., 57, 777 Sato, Ken. 471 Sato, Miyuki, 471 Sato, Noriko, 5083 Sato, Shigeru, 6815 Sato, Shinichi, 5969 Satoh, Hiroyasu, 6699 Sattler, Martin, 7473 Satyamoorthy, Kapaettu, 3916 Sauvageau, Guy, 6355 Savory, Joanne G. A., 1025 Savre-Train, Isabelle, 3989 Sawado, Tomoyuki, 547 Sawadogo, Michèle, 1508, 4788 Sawant, Satin G., 5096 Sawyers, Charles L., 5143 Saxton, Tracv M., 3205

Saya, Hideyuki, 6415

Scalia, P., 3278 Scalzo, David, 3714 Schaaf, Gabriel, 5466 Schaal, Thomas D., 261, 1705 Schaeffer, Edward M., 1498 Schaeffer, Hans J., 2435 Schaeffer, Valerie, 3167 Schapira, Matthieu, 7191 Schatz, David G., 3788, 4159 Schedl, Paul D., 3018 Scheidereit, Claus, 2690 Scherer, Philipp E., 7289 Scherthan, Harry, 5096 Scheuermann, Richard H., 284 Schibler, Ueli, 1242, 6488 Schick, Naomi, 7529 Schieltz, David, 6621 Schild-Poulter, Caroline, 4065 Schiltz, R. Louis, 8136 Schläger, Britta, 807 Schlessinger, J., 2278, 2338 Schlissel, Mark S., 2601, 5608 Schmelzle, Tobias, 8344 Schmidt, Edward E., 3904 Schmidt, Gudula, 6297 Schmidt, Martin C., 4561 Schmitt, Mark E., 7857 Schmitt, Rolf, 2308 Schnabel, Catherine A., 764, 5134 Schneider, Sandra, 3383 Schneider-Broussard, Robin, 6408 Schneiter, Roger, 3415 Schöler, H. R., 2635 Schoonbroodt, Sonia, 1950 Schoonjans, Kristina, 5495 Schremser, Erin J., 5308 Schuierer, Marion, 194 Schüle, Roland, 690, 3736 Schultz, David C., 4366 Schwab, Markus S., 2485 Schwartz, Alan L., 3664 Schwartz, David C., 5247 Schwartz, Robert J., 4582 Schwartzberg, Pamela L., 1498 Schwarz, Elisabeth, 8201 Schweighoffer, Edina, 8326 Schweikert, Jutta, 1539 Schweitzer, Colleen M., 4465 Sciacca, L., 3278 Sclafani, Robert A., 4888 Scolnick, Daniel M., 1202 Scott, Charles F., 817 Scott, David A., 7712 Scotto, Christian, 7168 Screaton, Gavin R., 1853 Sears, Dorothy D., 4153 Seavitt, John R., 4200 Sebti, Said, 7519 Sedivy, John M., 4672 Sedkov, Yurii, 5189, 6441

Seeberg, Erling, 3779

Seedorf, Klaus, 5289

Segerman, Bo, 2242

Seedorf, Matthias, 1547 Ségault, Véronique, 2782

Seger, Rony, 1742, 1961

Segrelles, Carmen, 3086

Seidel, H. Martin, 2913

Seghezzi, Wolfgang, 1460, 5083

Seed, Brian, 5759

Seipelt, Rebecca, 577 Seiser, Christian, 5504 Sekharam, Madhavi, 7519 Seki, Youichi, 6396 Sekiguchi, Mariko, 6699 Sekinger, Edward A., 1627 Selivanova, Galina, 3395 Sella, Osnat, 5429 Sellers, Jeremy, 4056 Sellers, William R., 1068 Sellin, Lorenz, 3423 Sen, Ranjan, 2946 Sengupta, Sarojini M., 5218 Senis, Yotis, 7436 Sentenac, André, 8042 Seoane, Joan, 5913 Sepulveda-Becerra, Marisa, Séraphin, Bertrand, 2008 Serrano, Ramon, 3328, 537 Sessa, William C., 7289 Seto, Edward, 680, 6632 Sevilla, Lidia, 2624 Sewalt, Richard G. A. B., 777 Sgouras, Dionyssios, 4121 Shanahan, Frances, 1460 Shanmugam, Kandavel, 7577 Shaper, Joel H., 5823 Shaper, Nancy L., 5823 Shapira, Michael, 788 Shapiro, Linda H., 5601 Shapiro, Paul S., 3551 Shapiro, Risa S., 8479 Sharma, Arun, 704 Sharma, Kishor, 6012 Sharma, Manoj, 7245 Sharp, Phillip A., 5960 Sharrocks, Andrew D., 4028 Shaulsky, Gad, 4750 Shay, Jerry W., 3989, 6207 Shcherbakova, Polina V., 3177 Shearn, Allen, 6441 Sheffer, Ayelet, 2672 Sheldon, Lynn A., 8146 Shellman, Yiqun, 4888 Shen, Binghui, 8361 Shen, Wei-Fang, 3051 Sheppard, Hilary M., 2746 Sheppard, Kelly-Ann, 6367 Sherman, Michael Y., 2547 Sherr, Charles J., 353 Shevchenko, Andrej, 1526 Shi, Chong Shan, 6665 Shi, Yang, 7237 Shi, Yun-Bo, 5847 Shiba, Tadayoshi, 7539 Shibutani, Tomoko, 3842 Shiekhattar, Ramin, 1617 Shim, Minsub, 7181 Shimizu, Kimiko, 7639 Shimojo, Masahito, 6788 Shinjyo, Tetsuharu, 2754 Shinohara, Akira, 6891 Shinomiya, Tomoyuki, 547 Shiojima, Ichiro, 7096 Shiomi, Naoko, 2366 Shiomi, Tadahiro, 2366 Shisheva, Assia, 623 Shishido, Tomoyuki, 1171 Shiyanov, Pavel, 4935 Shockett, Penny E., 4159 Shrikhande, Gautam, 7473 Shu, Junyan, 6665

Shu, Zhigang, 8686 Shulewitz, Mark J., 7123 Shulman, Marc J., 7031 Shvarts, Avi, 3885 Si, Kausik, 1416 Sia, Rey A. L., 5981, 6929 Siddiqi, Imran, 8559 Siebenlist, Ulrich, 3857 Siegel, Peter M., 8169 Siegert, Jennifer L., 846 Sif, Saïd, 2088 Sigvardsson, Mikael, 392 Sikes, Michael L., 2773 Sil, Alok Kumar, 7828 Silver, Pamela A., 1547 Silverman, Adam, 353 Simchen, Giora, 4153 Simmen, Thomas, 3136 Simmons, Daniel T., 1686 Simon, J.-P., 2338 Simpson, Robert T., 7944 Sinclair, Calum, 671 Singer, Dinah S., 4788 Singh, Prim B., 4366 Singleton, B. K., 3267 Sirma, Hüseyin, 6345 Siu, Wai Yi, 635 Sivak, Louise E., 155 Sizemore, Nywana, 4798 Skeath, James B., 7255 Skopicki, Hal A., 4219 Skoultchi, Arthur, 121 Sladek, Frances M., 6509 Slagle, Betty L., 4935 Smart, Eric J., 7289 Smart, Robert C., 7181 Smelkova, Natalia, 5352 Smilenov, Lubomir B., 6963 Smith, Carolyn L., 1182 Smith, Catharine L., 8146 Smith, Christopher W. J., 2699 Smith, David E., 4182 Smith, Graeme C. M., 6076 Smith, Jeffrey S., 3184 Smith, J. R., 1479 Smith, Kevin S., 4443 Smith, P. J., 3103 Smith, Sheryl, 6441, 8686 Smith, Stuart B., 8272 Smithgall, Thomas E., 8335 Smothers, James F., 3624 Sock, Elisabeth, 2455 Söderbom, Fredrik, 4750 Sogo, José M., 4953 Soh, Jae-Won, 1313 Sok, John, 495 Soldaini, Elisabetta, 1910 Soldatov, Aleksei, 3769 Solimeo, Harry, 4561 Solinger, Jachen A., 5930 Soller, Matthias, 3998 Sollott, Steven J., 5659 Solomon, Mark J., 4774 Solow, Steven P., 2846 Somasundaram, Kumaravel, 3916 Sommers, Connie L., 8326 Somwar, Romel, 4008 Sonenberg, Nahum, 4302, 7336 Sonoda, Eiichiro, 5166, 6891 Soon, Lilian, 3816 Soreq, Hermona, 788

Sorimachi, Hiroyuki, 4047

Sorokin, Andrey, 714 Sorribas, Albert, 8180 Soukupova, Monika, 2265 Soulard, Alexandre, 2109 Soussan, Lior, 1961 Southby, Justine, 2699 Spanopoulou, Eugenia, 6532 Sparks, Alison, 3704 Spatrick, Phyllis, 3588 Speck, Christian, 7782 Speckmann, Wayne, 8412 Speer, Gábor, 2308 Spencer, Jeffrey A., 3977 Spencer, Scott S., 7651 Spiegelman, Bruce M., 2330. 3760, 5495 Spink, Karen G., 7481 Spring, Denise J., 317 Spurgers, K., 1479 Squire, Jeremy A., 2373 Sreenivasan, Aparna, 7983 Sridhar, Padma, 4219 Srinivasan, Seetha, 733 Srivastava, Rakesh K., 5659 Srivastava, Sri P., 1116 Stacey, Dennis W., 4623 Staeva, Teodora P., 4191 Stallcup, Michael R., 6164, 6509 Stamatoyannopoulos, George, Stanhill, Ariel, 7529 Starck, Joëlle, 121 Stargell, Laurie A., 3951 Starita, Lea M., 5257 Stark, George R., 4643, 4798 Stauber, Roland, 1486 Stearman, Robert, 1486, 5902 Steegenga, Wilma T., 3885 Steele, Robert, 2880 Steen, S. B., 3010 Stefanovic, B., 4334 Steger, David J., 855, 2061 Steggerda, Susanne M., 412, 8302 Steglich, Gregor, 3435 Steidl, Stefan, 99 Stein, Gary S., 7491 Stein, Gretchen H., 2109 Stein, Janet L., 7491 Stein, Roland, 704 Stern, David B., 8479 Sterneck, Esta, 7181 Sterner, David E., 86, 6621 Sternsdorf, Thomas, 5170 Sterpetti, Paola, 1334 Stetler-Stevenson, William G., 5902 Stevenin, James, 7347 Stevens, Ben T., 155 Stewart, Bruce G., 817 Stewart, Scott, 5523 Stewart, Zoe A., 205 Stockholm, Daniel, 4047 Stoica, Bogdan A., 7388 Stoler, Sam, 6130 Stone, Richard, 461 Story, Michael D., 3877 Stott, Francesca J., 1981 Strauss, Michael, 2690 Strich, Randy, 3338 Strouboulis, John, 3958 Strubin, Michel, 4247

Struhl, Kevin, 3951 Strum, Julie R., 4311 Studamire, Barbara, 7558 Stunnenberg, Hendrik G., 967 Sturm, Nancy R., 1595 Suarez, Cristina C., 2773 Sublett, Jack E., 594 Sucoka, Naoko, 1973 Sueyoshi, Tatsuya, 6318 Sugawara, Neal, 7558 Sugden, Bill, 3349 Sugimoto, Katsunori, 1136 Sugimura, Isamu, 7276 Sugiyama, Kenji, 7539 Sukezane, Taiko, 7672 Sullenger, Bruce A., 6479 Sultan, Ali A., 2895 Summers, Scott A., 5882 Sun, Jingtao, 216 Sun, Shao-Cong, 7088 Sun, Xiao-Hong, 5969, 8240 Sun, Yi, 3145 Sun, Yue, 4056 Sun, Zijie, 3940 Sundaram, Meera, 5523 Suñé, Carlos, 4719 Sung, Hee-Sook, 6323 Surana, Uttam, 3312, 5512 Sutcliffe, Josephine E., 4255, Sutherland, Lillian B., 7001 Sutton, Vivien R., 8604 Suzawa, Miyuki, 1049 Suzuki, Asuka, 6396 Suzuki, Atsushi, 3842 Suzuki, Koichi, 4047 Swamy, O. Rama, 6217 Swanson, Patrick C., 3674 Swanson, Rebecca L., 2929 Swaroop, Manju, 3145 Symington, Lorraine S., 556

Tabernero, Carlos, 6306 Taccioli, G. E., 3267 Tago, Kenji, 6815 Tai, Hitoshi, 5363 Tai, Kuei-Fang, 155 Tailor, Pankaj, 2021 Tainsky, Michael A., 899 Taipale, Jussi, 3654 Takahashi, Tatsuro, 7228 Takai, Yoshimi, 8016 Takamatsu, Nobuhiko, 7539 Takata, Minoru, 5166, 6891 Takebayashi, Shin-ichiro, 6415 Takeda, Shunichi, 5166, 6891 Takeda, Tadayuki, 5535 Takekawa, Mutsuhiro, 461 Takeshita, Aya, 4405 Takeuchi, Junko, 6575 Takeyama, Ken-Ichi, 1049 Takimoto, Eiki, 7096 Takuwa, Noriko, 1346 Takuwa, Yoh, 1346 Talanian, Robert V., 2986 Talarmin, Hélène, 6003 Tam, Nancy Wai Ning, 2475 Tamai, Katsuyuki, 2828 Tamame, Mercedes, 4167 Tamanoi, Fuyuhiko, 3580 Tamir, Ami, 4452 Tamura, Taka-aki, 7951 Tan, Clara, 7420

Tan, Tse-Hua, 1359 Tan, Wei, 6306 Tanahashi, Nobuyuki, 7216 Tanaka, Hiroyuki, 1038 Tanaka, Katsunori, 8660 Tanaka, Kazuma, 8016 Tanaka, Keiji, 6575, 7216 Tanaka, Koichi, 1038 Tang, Chih-Min, 680 Tang, Hengli, 3540 Tang, Norina M., 4757 Tang, Qi-Qun, 4855 Tang, Yi, 1881 Tanimoto, Keiji, 3062 Tanimura, Teiichi, 4343 Tao, Yong, 5383 Tasseron-de Jong, Judith G., Tateno, Minoru, 7276 Tattersall, Peter, 7741 Taubman, Mark B., 6471 Taura, Tetsuya, 1547 Taya, Yoichi, 1068, 2475, 2828 Taylor, Gregory A., 5902 Tenbaum, Stephan P., 3383 Tenen, Daniel G., 3940 Teng, Shu-Chun, 8083 Tenser, Matthew S., 8492 Terada, Naohiro, 2485 Terns, Michael P., 8412 Terns, Rebecca, 8412 Tesmer, Valerie M., 3989, 6207 Testa, Joseph R., 5073 Tetradis, Sotirios, 6803 Thaï, Agathe Le Van, 3474 Thanos, Dimitris, 6367 Thathy, Vandana, 2895 Theesfeld, Chandra L., 6929 Therrien, Marc, 229 Thevelein, Johan M., 5474 Thiele, Dennis J., 402 Th'ng, John, 7816 Thomas, George, 2485, 4525, 4729 Thomas, Matthew L., 4200 Thomas, Melissa K., 8492 Thomas, Miranda, 1092 Thomas, Sheila M., 3205 Thompson, Craig B., 6673 Thompson, Glória M., 173 Thompson, Larry J., 4535 Thompson, M. Anne, 3515 Thorburn, Andrew, 1841 Thorburn, Jacqueline, 1841 Thormeyer, Dorit, 3383 Thorner, Jeremy, 7123 Thorsteinsdottir, Unnur, 6355 Thukral, Sushil, 612 Thulasiraman, Vanitha, 5861 Tian, Gang, 2946 Tian, Ye, 3145 Tick, Gabriela, 2308 Tiihonen, Erja, 3654 Tijsterman, Marcel, 934 Tilburn, Joan, 1390 Tillib, Sergei, 5189, 6441 Tillman, Tommy S., 4561 Timchenko, Nikolai A., 1695, 2936 Timms, John F., 3205 Ting, Adrian T., 5759 Ting, Jenny P.-Y., 431

Tipper, Christopher, 3588

Tkachuk, Douglas C., 7050 Tobler, Heinz, 3457 Todorov, I., 6154 Toh-e, Akio, 3580, 6575 Toker, Alex, 2921 Toksoz, Deniz, 1334 Tolkacheva, Tatyana, 6333 Tollervey, David, 6012, 6543 Tolwinski, Nicholas S., 3551 Tominaga, Shin-Ichi, 6815 Tomioka, Kenji, 4343 Tomoyasu, Yoshinori, 2322 Tong, Wei, 2251 Torban, Elena, 2289 Török, István, 2308 Torres, Monica A., 1427 Torres-Arzayus, M. I., 3267 Tortorice, Christopher G., 8169 Tosh, Kerrie, 4255, 4927 Touriol, Christian, 505 Tournier, Cathy, 1569 Tower, John, 216 Towers, Terri L., 4191 Tran, Hiep T., 2000, 5373 Tran, Stefanie E. F., 5991 Trapani, Joseph A., 5833, 8604 Traverse, K. L., 873 Treinies, Iris, 321 Tremblay, André, 1919 Tremblay, Gilles B., 1919 Tremblay, Jacques J., 2567 Trieschmann, Lothar, 3466 Trievel, Raymond C., 1202 Trifillis, Panayiota, 4552 Trinh, Thuy-Hanh T., 4582 Troussard, Armelle A., 7420 Trowbridge, Pamela W., 1686 Truant, Ray, 1210 Trzaskos, James M., 7759 Tsai, Ming-Jer, 1182, 2734 Tsai, Shien, 7995 Tsai, Sophia Y., 1182, 2734 Tsichlis, Philip N., 1661, 6333 Tsiokas, Leonidas, 3423 Tsubari, Minna, 3654 Tsuji, Kohichiro, 6396 Tsujimoto, Masafumi, 6940 Tsukahara, Kappei, 3829 Tsuruda, Pamela R., 5298 Tsutomi, Yumi, 3842 Tsutsui, Tateki, 7011 Tu, Hua, 602 Tu, Yizeng, 2425 Tuan, JoAnn C., 2872 Tucker, David F., 7771 Tucker, Philip W., 284 Tung, Chang-Shung, 3877 Turck, Christoph W., 69 Turkson, James, 7519 Tybulewicz, Victor, 8326 Tyler, David M., 4600 Ubeda, Mariano, 7589

Ubeda, Mariano, 7589 Überall, Florian, 8052 Ueda, Ryu, 4405 Ueno, Naoto, 2322 Ufano, Sandra, 2118 Ugi, Satoshi, 6765 Ulevitch, Richard J., 21 Uma, Sheri, 5861 Umayahara, Yutaka, 8281 Unnikrishnan, Indira, 4825 Urano, Takeshi, 1334, 1731

Urrestarazu, Antonio, 989. Utsugisawa, Taiju, 2986 Vagner, Stéphan, 505 Valadon, Philippe, 745 Valcárcel, Juan, 8263 Valente, Louis, 5257 Vallejo, Mario, 7589 Vallone, Daniela, 6240 van Brabant, Anja J., 4231 van der Spek, Peter J., 3515 van der Vlag, Johan, 777 van Deursen, Jan M. A., 764 Vande Woude, George F., 5902 Vandromme, Marie, 3167 van Drunen-Schoenmaker. Ellen, 3515 Van Dyke, Terry, 3095 Van Etten, Richard A., 3029 Vanhoutte, Peter, 136 VanHoy, Roger W., 6229 van Leeuwen, Jeroen E. M., 6652 Van Obberghen, Emmanuel, 4989 van Wijnen, André J., 7491 Vardimon, Lily, 1742 Varin-Blank, Nadine, 3798 Varmus, Harold E., 1498 Varon, Mazal, 2672 Varshavsky, Alexander, 182 Vass, William C., 4611 Vasselli, James R., 5902 Vaziri, Homayoun, 2373 Vázquez de Aldana, Carlos R., 2118 Vecchi, Manuela, 4961 Veenstra, Gert Jan C., 7972 Velculescu, Victor E., 7041 Venepally, Pratap, 515 Verde, Pasquale, 6240 Verhoeven, Guido, 6085 Verí, Maria-Concetta, 7388 Verma, Inder M., 4843 Verma, Shalini, 7473 Vermaak, Danielle, 3958, 5847 Verrijzer, C. Peter, 1159, 2080 Versaw, Wayne K., 5565 Vershon, Andrew K., 585 Vezmar, Marko, 7816 Vicaner, Caroline, 2289 Vignais, Marie-Luce, 3727 Vigneri, R., 3278 Vigo, Elena, 6379 Villey, Isabelle J., 3788 Viñals, Francesc, 2763 Vinkemeier, Uwe, 1910 Vinson, Charles, 1508 Vissers, Stephan, 989, 3360 Vithalani, Kalpa, 4643 Voeller, Donna M., 1582 Vogt, Dorothee, 6297 Voitenleitner, Christian, 646 Vola, Christine, 7846 Vollenweider, Peter, 1081, 6765 Voronkova, Valentina, 6029 Vousden, Karen H., 1751 Voytas, Daniel F., 484 Vu, Loan, 8559 Vujcic, Marija, 6098 Wachi, Hiroshi, 7314

Wada, Tadashi, 5960 Wade, Paul A., 5847 Wagner, Hermann, 3299 Waldman, Alan S., 8353 Wallach, David, 6742 Wallberg, Annika E., 5952 Walsh, Kenneth, 5073 Walters, Mark C., 3714 Walz, Gerd, 3423 Wambach, Marlene, 4757 Wandzioch, Ewa, 2242 Wang, Audrey H., 7816 Wang, Cun-Yu, 5923 Wang, Da-zhi, 4495 Wang, Guangli, 342, 6972 Wang, Huixian, 8292 Wang, I-Ming, 1810 Wang, Jian, 6217 Wang, Ju-Ming, 6195 Wang, Jun Ming, 7106 Wang, Li-hua L., 8066 Wang, Lijuan, 8686 Wang, Lilin, 6566 Wang, Ling, 7630 Wang, Lu-Hai, 3816 Wang, Nancy, 4750 Wang, Paul H., 5902 Wang, Qinghua, 4008 Wang, Sheng, 7447 Wang, Teresa S.-F., 1126 Wang, Xiao-Fan, 1821, 2495 Wang, Xiao-Zhong, 495 Wang, Xinjiang, 3257 Wang, Xuhong Sunny, 1359 Wang, Yibin, 7688 Wang, Ying, 431 Wang, Yuh-Hwa, 7661 Wang, Yuli, 3145 Wang, Zeng-Feng, 835 Wang, Zhao-Qi, 5124 Wang, Zhengxin, 1605, 4944, 7697, 7951 Wang, Zhiyong, 284 Wang, Zuoren, 4552 Wara-aswapati, Nawarat, 6803 Ward, Ellen, 7255 Ward, Robert D., 8673 Warnecke, Peter M., 164 Warner, Beverley J., 5913 Warner, Jonathan R., 5393 Warren, Stephen T., 7925 Washburn, Kimberly, 6318 Wasik, Jennifer, 4866 Waskiewicz, Andrew Jan, 1871 Wasylyk, Bohdan, 7076 Watada, Hirotaka, 8281 Waterman, Marian L., 4503 Waterman, Wayne R., 6803 Watkins, Simon C., 4561 Watson, Kellie L., 1159 Watson, Steve P., 8326 Wazer, David E., 733 Webb, Andrew C., 6803 Webb, Paul, 6164 Weber, Lee A., 2069 Weber, Michael J., 2435 Weber, Michel J., 3474 Webster, Gill A., 3485 Wedlich, Doris, 5576 Weeks, Daniel L., 6276 Wegner, Michael, 2455 Wegrzyn, Renee D., 1325 Wehr, Kristina, 807

Wei, Dong, 147 Wei, Ping, 5619 Wei, Zheng, 1271 Weichselbaum, Ralph, 2986, 6891 Weil, P. Anthony, 2835 Weil, Robert, 6345 Weinreich, Michael, 1226 Weinstein, I. Bernard, 1313 Weinstein, John N., 1673 Weiss, Arthur, 948 Weiss, Kerstin, 7944 Weiss, Mitchell J., 3496 Weissman, Jocelyn D., 4788 Welch, Katie, 8400 Welk, Joseph, 1990 Wellinger, Raymund J., 4143 Welm, Alana L., 1695 Wen, Zilong, 5106 Wennström, Stefan, 4279 Werner, Oliver, 194 Wesley, Cedric Satish, 5743 Westendorf, Jennifer J., 6566 Westermann, Benedikt, 8201 Westin, Stefan, 6367 Westling, Jennifer, 680 Westphal, Christoph H., 5096 Wetzker, Reinhard, 5289 Wewer, Ulla M., 1262 Whalen, Anne M., 3551 Wheat, William, 2231 White, Eileen, 4390 White, Kalpana, 3998 White, Lynn S., 4200 White, Peter J., 5675 White, Robert J., 4255, 4927 Whitehead, Ian P., 7759 Whitelaw, Emma, 3714 Whitelaw, Murray L., 5811 Whiteside, Simon, 3664 Whitmarsh, Alan J., 1569, 7245 Whitney, Gena S., 2903 Wickens, Marvin P., 5707 Wickham, Louise, 2220 Wickner, Reed B., 4516 Widdick, David A., 1390 Wienands, Jürgen, 1539 Wiesmüller, Lisa, 2155 Wiesner, Rudolf J., 7913 Wigler, Mike, 602 Wilde, Margie, 2936 Wilder, Sylvia, 2594 Wiley, Emily A., 3624 Wilhelm, Sabine, 3299 Will, Cindy L., 2782 Will, Garnet K., 2265 Will, Hans, 5170 Williams, Amy J., 8526 Williams, Brandi L., 948 Williams, Bryan R. G., 4757 Williams, Carol, 376 Williams, Carol J., 7568 Williams, Tanishia, 5257 Wills, Ken, 1775 Wilm, Matthias, 6276 Wilsbacher, Julie, 3551 Wilson, Allison, 5631 Wilson, Gerald M., 4056 Wilson, Rebecca, 321 Wilson, Wayne A., 7020 Wilson-Rawls, Jeanne, 2853 Wiman, Klas G., 3395 Winkler, Thomas, 7473

Winoto, Astar, 1901 Winston, Fred, 86 Winter, Andrew G., 4927 Wintersberger, Erhard, 5504 Wintersberger, Ulrike, 8361 Winzen, Reinhard, 6742 Wirth, Dyann F., 967 Wittinghofer, Alfred, 6297 Wolfe, Darren, 8254 Wolffe, Alan P., 3958, 5847. 7972 Wölfl, Stefan, 4561 Wollscheid, Bernd, 1539 Wong, Albert J., 1784 Wong, Andrew Hoi-Tao, 2475 Wong, Carolyn, 1821 Wong, David J., 5642 Wong, Gordon G., 8492 Wong-Staal, Flossie, 3540 Wood, Todd C., 8616 Woodgett, James R., 4008 Woods, Michael P., 7828 Woolford, John L., Jr., 826 Workman, Jerry L., 86, 855, 1470, 2061, 5952, 6621 Wortis, Henry H., 5014 Wright, Anthony P. H., 5952 Wright, Melanie D., 2535 Wright, Peter E., 5601 Wright, Woodring E., 3989, 6207 Wrutniak, Chantal, 7913 Wrzeszczynska, Melissa H., 7138 Wu, Chuanyue, 2425 Wu, Daniel Y., 7050 Wu, Jianxin, 8292 Wu, Jie, 7519 Wu, Qiang, 3225 Wu, Tzu-Chen, 4832 Wu, Yaxu, 4535 Wurtz, Jean-Marie, 690, 5486 Wyche, James H., 1381 Wyllie, F. S., 3103 Wynford-Thomas, D., 3103 Wynshaw-Boris, Anthony, 3095 Xia, Kai, 4819

Xia, Kai, 4819 Xia, Ling, 6796 Xia, Yiyang, 7688 Xin, Ping, 7828 Xiong, Yue, 5523 Xu, Hongtao, 4495 Xu, Jin, 12 Xu, Lei, 376 Xue, Shao-An, 7305 Yaglom, Julia A., 2547

Yam, Cain H., 635 Yamada, Masayuki, 5083 Yamada, Shuichi, 6396 Yamagishi, Kumiko, 7886 Yamaguchi, Kyoko, 8344 Yamaguchi, Masamitsu, 547, 6020 Yamaguchi, Yuki, 5960 Yamaguchi-Iwai, Yuko, 5166, 6891 Yamaizumi, Masaru, 2828 Yamamoto, Daisuke, 4405 Yamamoto, Hideki, 4414 Yamamoto, Kazuhito, 8469 Yamamoto, Kazuhito, 8469

Yamamoto, Ken-Ichi, 7539 Yamamoto, Naoe, 3842 Yamasaki, Lili, 6458 Yamasaki, Yoshimitsu, 8281 Yamashita, Shinva, 7539 Yamawaki-Kataoka, Yuriko, 6057 Yan, Wei, 7751 Yanagisawa, Junn, 1049, 5363 Yang, Edward, 5106 Yang, Hui, 1651 Yang, Joyce, 342 Yang, Peirong, 8066 Yang, Rong, 2400 Yang, Shen-Hsi, 4028 Yang, Wen-Ming, 6632 Yang, Xiang-Jiao, 7816 Yang, Xing-Jiao, 1810 Yang, Zhiyong, 6803 Yang-Yen, Hsin-Fang, 6195, 7399 Yaniv, Moshe, 3931 Yankulov, K., 6154 Yano, Takahiro, 6441 Yanowitz, Judith L., 3018 Yanuka, Ofra, 3529 Yao, Kwok-Ming, 8492 Yao, Meng-Chao, 5631 Yao, Zhengbin, 1359, 6665 Yarden, Yosef, 1961 Yasenchak, Jason, 384 Yasuda, Jun. 7245 Yasuda, Tetsuyuki, 8281 Yates, John R., III, 6621 Yazaki, Yoshio, 7096 Ye, Amanda J., 2887 Ye, Bihui H., 7264 Ye, Honggang, 8570 Yee, Amy S., 2400 Yeh, Ning-Hsing, 8536 Yen, Jeffrey J.-Y., 6195, 7399 Yermovsky-Kammerer, Audra E., 6253 Yi, Ji-Young, 6323 Yi, Xiaoming, 3989, 6207 Yin, Chaoying, 3095 Yin, Li-Yan, 4535 Yoganathan, T. Nathan, 7420 Yogosawa, Shingo, 7951 Yokosawa, Hideyosi, 6575 Yoo, Kyung W., 8570 Yoshida, Kiyotsugu, 461, 2986 Yoshihara, Takao, 2754 Yoshimura, Akihiko, 4980, 6396 Yoshioka, Katsuji, 7539 You, Min, 2416 You, Zhiying, 8003 Young, David B., 1526 Young, Elton T., 6029 Young, Richard A., 4774 Yousaf, Nasim, 6217 Yu, De-Hua, 2416 Yu. Jong. 1881 Yu. Kefei, 8094 Yu, Liuning, 5279 Yu, Michael C., 1595 Yuan, Bing, 8314 Yuan, Yaping, 864 Yuan, Zhi-Min, 2986 Yuspa, Stuart H., 8547

Zabel, Bernard, 2289

Zaboikina, Tatiana N., 5565 Zacksenhaus, Eldad, 4452 Zak, Naomi B., 1159 Zakian, Virginia A., 8083 Zalcenstein, Amir, 2594 Zanchin, Nilson I. T., 1518 Zandi, Ebrahim, 4547 Zanninelli, Giuliana, 6003 Zannini, Mariastella, 2051 Zarbl, Helmut, 274 Zbar, Berton, 1289 Zebarjadian, Yeganeh, 7461 Zelko, Igor, 6318 Zeng, Xiaoya, 3257 Zeng, Yan, 7410 Zenvirth, Drora, 4153 Zerby, Dennis, 1617, 7610 Zhai, Weiguo, 2791, 2872 Zhang, Dong-Er, 3029 Zhang, Haihua, 2373 Zhang, Hong Bing, 1202 Zhang, Jandong, 7264 Zhang, Jin, 3635 Zhang, Jinsong, 6448 Zhang, Jue J., 5106 Zhang, Jun, 5608 Zhang, Keming, 5014 Zhang, Li, 4324 Zhang, Luwen, 3216 Zhang, Mancong, 7314 Zhang, Pu. 3940 Zhang, Pumin, 353 Zhang, Qing, 8158 Zhang, Shuang, 7568 Zhang, Weiguo, 8326 Zhang, Xiaokui, 7138 Zhang, Xiaolin, 7237 Zhang, Xiaowu, 6918 Zhang, Xudong, 4561 Zhang, Yanping, 5523 Zhang, Yi, 7519 Zhao, Jin, 1144 Zhao, Jing, 7733 Zhao, Ming, 21 Zhao, Qihong, 948 Zhao, Xian-Feng, 5025 Zhao, Zhizuang Joe, 3125 Zheng, Lei, 5417 Zheng, Lian-Xing, 3561 Zhong, Hualin, 585 Zhong, Minghao, 7672 Zhou, Hui, 1144 Zhou, J. H., 6229 Zhou, Qiang, 2863 Zhou, Wei, 4582 Zhou, Wei-Xin, 1144 Zhou, Wen-lai, 4182 Zhou, Yi. 1450 Zhu, Hengyi, 1526 Zhu, Songyun, 7181 Zhu, Xueliang, 1016 Zhu, Yuan-Qi, 1144 Zhuang, Yuan, 2495, 5969 Zink, Amy D., 8103 Zirngibl, Ralph, 7436 Zogos, Helen, 4182 Zolotukhin, Andrei S., 6306 Zon, Leonard, 2547 Zong, Chen, 1171 Zong, Rui-Ting, 284 Zonneveld, José B. M., 6269 Zor, Tsaffir, 5601 Zwerschke, W., 2635

SUBJECT INDEX

VOLUME 19

3' end

formation in C. elegans SL1-type operons, 376

formation facilitated by SLBP, 3561 human telomerase RNA, 567 processing SL RNA in kinetoplastids, 1595

3' splice site

activation and SR proteins, 7347

3' untranslated region alternative splicing in AUF1, 4056 interaction with aCP, 4572 role in ceruloplasmin translational silenc-

ing, 6898

3'→5' exonuclease role in postreplication mutation avoidance in yeast, 2000

3'-to-5' exonuclease regulation, 2155

4BP-1 protein

5' splice site

dephosphorylation role in cell cycle and proliferation, 6041

4E-binding protein 1 role in translational homeostasis, 4302

5' inositolphosphatase role in GLUT4 translocation and actin rearrangement, 1081

activation and SR proteins, 7347 5' untranslated region chloroplast, 6980

5'→3' exonuclease Exo1 role in yeast mutation avoidance,

2000 5'HS4 boundary element blockage of suppression of silencing, 3714

(6-4) photoproduct induction by UV, 934

14-3-3 protein binding by KSR, 229 role in Cdc25 phosphatase nuclear exclusion, 7410 role in cdc25C cytoplasmic localization, 4465

18S rRNA base pairing to U3 snoRNA, 6012 binding by rpS14, 826

19S proteasomal subunit role in cell cycle control, 6872

26S proteasome assembly in yeast, 6575 degradation of ODC, 7216 role in stress-induced Ume3 destruction, 3328

32D cell apoptosis and transformation, 7995

40S snRNP S. pombe, 5352

60S ribosomal subunit assembly role for Rsa1, 8633

stability and NMD3, 2389 60S ribosomal subunit protein L18 regulation of PKR, 1116

60S ribosome

biogenesis and Nip7-associated proteins, 1518

70Z Cbl protein blockage of ZAP-70 negative regulation, 6652

al protein role in heterodimeric DNA binding, 585 A1/Bfl-1 protein

NF-kB-induced expression, 5923 A549 cell

transformation by EGF, 1938 m-AAA protease

membrane protein degradation, 3435 Abelson murine leukemia virus role in apoptotic crisis, 4825

Abl protein signaling influenced by DOK family mem-ber, 8314

c-Abl protein induction of lymphoid malignancy, 6918 acc1 gene

synthetic lethality with $hprl\Delta$, 3415

Accessory factor HCF conservation in C. elegans, 909 Acetylation

nucleosome, 86 Acetylcholinesterase

role in human osteogenesis, 788 achaete-scute complex

influence on su(Hw) insulator, 3443 Acidocalcisome

H+-pyrophosphatase localization, 7712 Actin

growth factor-induced filament rearrangement, 1081

or-Actin

DNA methylation, 164 promoter activity in human heart, 2577 Actin cytoskeleton

microtubule-dependent nuclear migration, 8016

regulation by Rho3, 3580 α-Actinin

exon alternative splicing, 2699 Activating signal cointegrator 1 cytosolic localization, 6323

Activation domain role in TEF binding to Pol II complex, 1242

specific transcription stimulation by HATs, 855

Activation function 1 protein dominant activity and role in ERa-ERB complex, 1919

activation by p68, 5363 Activation function 2 protein role in ERα-ERβ complex, 1919

Acute promyelocytic leukemia arsenic trioxide-induced apoptosis, 5170 ADA complex

S. cerevisiae HAT complex, 6621 Adapter protein

Crk and CrkL interaction with HPK1 in JNK activation, 1359 ADD1/SREBP1c protein

role in hepatic lipogenic gene expression,

3760

Adenovirus E1A, E1B, and E4orf6 proteins, 3885 E1B 55K repression of transcription, 3403

Adenovirus type 12 cell transformation, 2169

ADH2 gene

expression, 6029

Adipocyte

differentiation influenced by Sp1 and C/EBPa, 4855

expression of p235, 623

Adipocyte differentiation and determination factor 1 regulation of PPARy, 5495

Adipogenesis

induction by DEF-1, 2330 AF1 and AF2 domains

roles in AR interaction with SRC1, 8383

AGAMOUS gene non-AUG mRNA translation initiation,

8505 AIB-1 protein

interaction with VDR, 1049

Ajuba protein interaction with Grb2 and Ras, 4379

Akt protein myogenic induction, 5073 regulation of PDE3B, 6286

role in R-Ras functions, 6333 Akt/protein kinase B

inhibition of cell death, 5800 role in osmotic-shock-induced insulin resistance, 4684

Alien protein corepressor for nuclear hormone receptors, 3383

All-trans-retinoic acid inhibition of JNK, 1973

αl(I) collagen transgene-induced gene silencing, 274

α2 protein role in heterodimeric DNA binding, 585 Alpha interferon

influence on EBV-positive cells, 7305 αCP protein

interaction with 3'UTR, 4572

Alpha-fetoprotein expression repression by p53, 1279

α-Amanitin effect on T. brucei transcription, 5466 amdR gene

activation by AnCF, 99

amdS gene DNase I-hypersensitive site formation,

6523 Amino acid

deletion effect on p90rsk-mo-1 kinase activity, 317

sensing by Ssyl and Ptr3, 5405 signaling in S. cerevisiae, 979

AML-1 protein contribution to t(12;21) fusion protein, 6566

interaction with MEF, 3635 5'-AMP

interaction with small HSPs, 6858 An3 protein

shuttling, 6276 Anaphase-promoting complex or cyclosome interaction with dim1+, 2535

Vol. 19, 1999 AnCF protein activation of amdR, 99 role in DNase I-HS formation, 6523 Androgen receptor activation by MEKK1, 5143 amino-terminal domain role in transcription, 6085 interaction with SRC1, 8383 Anesthetic effect on yeast, 8254 Angelman syndrome E6-AP protein, 1182 Angiogenesis promotion by Fisp12/CTGF, 2958 Anisomycin effect on Net repressor, 7076 Annexin VI null mutant mice, 8028 Antigen receptor signal transduction in lymphocytes, 1539 AP-1 protein expression stimulation by MEK, 321 interaction with CHOP, 7589 regulation by sustained MAPK activity, role in TGF-β regulation of c-Jun, 1821 stimulation by ILK and GSK-3, 7420 AP-2 protein transcriptional activity mediated by coactivator PC4, 899 AP-2α protein regulation by BTEB-1 and AP-2rep, 194 AP-2rep protein regulation of AP-2α expression, 194 Apoptosis activation by MEKK1, 5143 ATM cleavage and inactivation, 6076 blockage by Bcl-2 and Bcl-X_L, 5659 effect of bancal mutations, 7846 induction by arsenic trioxide, 5170 induction by cytokine withdrawal, 7399 induction by GADD34, 7050 induction by mRIP3, 6500 induction by PKC8, 8547 induction by PKR, 4653 induction by Ras and suppression by Rac GTPase, 5892 induction by redox agents, 3145 influence of caspase cleavage of PARP, 5124 inhibition by B-Raf, 5308 inhibition by Ets2, 2624 inhibition by v-Rel, 307 mediation by dsRNA and TNF-α, 4757 mediation by Fas receptor, 5991 c-Myc target gene involvement, 1 prevention by mycoplasmas, 7995 prevention by Ras-NFIL3 pathways, 2754 regulation by EBV in BL, 1651 role of E1A, 8075 role of Id1, 8240 role of insulin-like growth factor 1 receprole of JNK activation in neuronal cells, 751 role of PKCn, 5608 role of Rad51 cleavage, 2986 suppression by A1/Bfl-1, 5923

triggering by mismatch repair, 8292

Apoptotic crisis mediation by p53, 4825

Arabidopsis thaliana

ATP Axl protein AGAMOUS mRNA non-AUG translation

initiation, 8505 ardC gene P. polycephalum, 3506 ARF6 protein role in membrane ruffling, 8158 Arf-GAP protein activity by Pap. 2338 Arginine-rich domain role as importin β-dependent NLSs in Tat and Rev. 1210 Arginyl-tRNA-protein transferase expression, activity, and localization, 182 Arnt protein complex with dioxin receptor, 5811 Arsenic trioxide induction of apoptosis, 5170 Ascaris suum chromatin diminution, 3457 ASH1 protein interaction with Trithorax, 6441 ASK protein activation of Cdc7-related kinase, 5083 ASK1/Jun N-terminal kinase phosphorylation and inactivation of BCL-1, 8469 Aspergillus nidulans

AnCF role in DNase I-HS formation. 6523 CCAAT binding complex AnCF, 99 PacC proteolytic processing, 1390 Ataxia telangiectasia

nuclear matrix-telomere interactions, 6963 ATF-2 protein cooperation with Ets-2 and Jun family members, 6240

ubiquitination and degradation, 3278 Atm gene effect on telomere clustering, 5096

ATM protein cleavage and inactivation, 6076 role in p53 apoptosis and tumor suppression, 3095 role in p53 phosphorylation, 2828

influence on Gal3 action, 7828 ATP citrate lyase role in fungal cell differentiation, 450 ATP hydrolysis

effect on Rad51, 6891 ATP/ADP

role in p53-DNA complex stability, 7501 AUF1 protein 3'-UTR alternative splicing, 4056

Autocrine IL-3 translational silencing by cyclosporin A. 889 Autoinhibition

Pak1, 602 Autonomously replicating sequence activation of silent replication origins, 6098

S. cerevisiae, 7428 Axin protein DIX domain role in function, 4414 regulation of GSK3β and Wnt signaling, 7147

interaction with Gas6, 8075 5-Azacvtidine induction of transgene silencing, 3198

apoptosis and PKCn, 5608

impaired proliferation in Id3 mutant mice, 5969 RAG-2 promoter regulation, 2601 B29 gene target for EBF, 392 BAF155 protein interaction with cyclin E, 1460 BAF170/BAF155/SWI3 protein D. melanogaster homolog MOR, 1159 BamHI Q latency promoter repression by IRF-2, 3216 bancal gene mutation effect on proliferation and apoptosis, 7846 Base excision repair pathway in S. cerevisiae, 2929 Basic fibroblast growth factor activation of SRF expression, 3977 Basic helix-loop-helix protein Drosophila Enhancer of split proteins, 4600

interaction with Sp1, 2577 transcriptional activation, 2946

B-cell receptor role if PLC-y1 in signaling, 7388

Bcl-2 protein blockage of NO generation, JNK activity, and apoptosis, 5659 interaction with Btf, 4390 phosphorylation and inactivation, 8469

regulation of Cif activity, 1381 BCL-6 protein repression of Stat6-dependent genes, 7164

Bcl-X_L protein blockage of NO generation, JNK activity, and apoptosis, 5659 inhibition by Bcl-x_s, 6673

prevention of apoptosis, 2754 role in macrophage apoptosis, 2624 Bel-x_e protein

inhibition of Bcl-x_L function, 6673 BCR/ABL protein inhibition of SHIP, 7473 SH3 deletion role in disease induction,

6918 Beta interferon promoter binding to HMGI and IFN-β,

2803 role in Pax-Ets complex assembly, 2231 B-like globin gene activation by FKLF, 3571

BH3 domain role in Bel-x₅ function, 6673 Bicoid protein

binding to nucleosomal sites, 2977 Bid protein

activation correlation with Cif activation, 1381 Bnil protein

regulation of nuclear migration, 8016 Bone morphogenetic protein induction of cardiomyocyte differentiation, 7096 Borg protein

binding to Cdc42 and TC10, 6585 Boundary-imprinting-control element chromatin configuration, 2556 Box H/ACA domain

human telomerase RNA, 567 Bradykinin B2 receptor mediation of MAPK activation, 5289 Brahma protein

interaction with MOR, 1159

Brain

ERK-dependent pathway influence on glutamate activity, 136

BRCA1 protein

deficiency effects in mice, 7061 phosphorylation at Ser-1497, 4832

BRCA2 protein interaction with DSS1, 4633

BRG1 protein

induction of growth arrest, 1460 interaction with cyclin E, 1460 repression of c-fos transcription, 2724

Bridge-1 protein coactivation of E2A, 8492

Bright protein

antagonism by Cux/CDP, 284

brm/SNFa protein

activity dependence on HMG-I/Y-like DBD, 3931

Bruton's tyrosine kinase regulation of TFII-I, 5014

BTEB-1 protein

regulation of AP-2α expression, 194

Btf protein

interaction with Bcl-2-related proteins, 4390

Btk protein

D. melanogaster, 4405

Burkitt lymphoma

EBV regulation of c-MYC, apoptosis, and tumorigenicity, 1651

gene induction influenced by kinases, 3475

bxd gene

association with Trithorax and ASH1, 6441

bZIP protein

Sko1p osmotic regulation, 537

C terminus

truncation role in Lbc activation, 1334 C2-C2 motif

role in eIF2ß binding to mRNA, 173

CA150 protein

regulation of RNA polymerase II elongation, 4719

Caenorhabditis elegans

HCF conservation, 909 mog-1 gene, 2189 SKN-1 protein, 3039

SL1 leader sequence requirements, 1892 SL1-type operons, 376

SMG-2 protein, 5943

CAF1 protein role in the CCR4-NOT complex, 6642

Cak1 protein

phosphorylation of Kin28, 4774

Calcium role in p53 nuclear accumulation, 7168

Calpain 3 expression and characteristics of isoforms, 4047

Calveolin

role in signaling, 7289

aberrant expression of cyclin E2, 612 Candida albicans

filamentous growth and CLN1, 4019

Cap

role in human FGF-2 synthesis, 505

Cap binding complex

interactions in yeast, 6543

Cap binding protein

eIF4E phosphorylation by Mnk1, 1871

CAR protein

PB-responsive nuclear translocation, 6318 Carbonic anhydrase VI

CHOP-dependent stress-inducible expression, 495

Carcinogen

adducts with DNA, 8292

Cardiac cell

gene induction by low-affinity SRE, 1841

specification by Csx/Nkx2.5, 526

CA-rich element

presence in MVM bipartite exon enhancer, 364

Cartilage

development in matrilin 1 knockout mice, 7841

Cas protein

mediation of SRE activation by Src, 6953

Casein kinase II

phosphorylation site in Csx/Nkx2.5 homeodomain, 526

Caspase

cleavage of PARP, 5124

mediation of Rad51 cleavage, 2986 regulation of Cif activity, 1381

Catenin

p120cm interaction with Kaiso, 3614

B-Catenin

complexes with LEF-1, 4503 control of fibronectin expression, 5576

neoplastic transformation of RK3E, 5696 regulation in early Xenopus development, 1427

stability regulation by Dvl and Axin, 4414 CBF5 gene

mutation and pseudouridylation, 7461 Cbfal protein

targeting of collagenase 3, 4431

Cbfa/AML protein role in transcription and chromatin orga-

nization, 7491

c-Cbl protein negative regulation of ZAP-70, 6652

CCAAT binding role in chromatin structure, 6523

CCAAT binding complex A. nidulans AnCF, 99

Ccr4 protein

multiprotein complex role in PKC signaling. 1056 role in the CCR4-NOT complex, 6642

CD5 protein

regulation of TCR signal transduction pathway, 2903

CD45 protein

deficiency in mice, 4200

Cdc2-cyclin B1

interaction with Myt1, 5113

Cdc4 protein

abundance controlled by F box-Skp1 interactions, 1759 role in G₂/M transition, 5512

cdc5 protein

role in 40S complex, 5352

Cdc6 protein

role in plasmid replication, 1226

Cdc7 protein

kinase activity controlled by cell cycle,

4888

Cdc7-related kinase activation by ASK, 5083

Cdc24 protein

interaction with RFC and PCNA, 1038 Cdc25 protein

nuclear exclusion in S. pombe, 7410 cdc25A gene

regulation by E2F, 4695 repression by TGF-β, 916

Cdc25A protein

acceleration of G₁/S transition, 6183 role in Raf-1 tyrosine phosphorylation, 4819

targeting by E2F, 6379

cdc25C protein

cytoplasmic localization during interphase, 4465

Cdc28 protein

control of yeast filamentous growth, 1369 inhibition by Swe1, 5981 phosphorylation and Hsl7, 7123

Cdc34 protein

targeting of repressors of cAMP-induced transcription, 5001

Cdc42 protein

binding by Borg proteins, 6585 release of Pak1, 602

Cdc73 protein

multiprotein complex role in PKC signaling, 1056

cdc28-1N gene

suppression by NDD1, 3312

CDK2 protein

associated kinase activity inhibition, 1981 binding by cyclin E2, 612 cyclin E-associated activity, 3654 inhibition mediated by p16^{INK4a}, 3916 role in cell-free degradation of p27kip1, 1190

CDK4 protein

associated kinase activity inhibition, 1981 estrogen-induced nuclear translocation,

role in cell cycle entry, 7011

Cdk6 protein

expression in mink epithelial cells, 3654

CDK inhibitor

reassortment of complexes with cyclin and CDK, 1981

cdk protein complex with cyclin and role in pRB

phosphorylation, 1068 mediation of MyoD phosphorylation, 3167 reassortment of complexes with cyclin and inhibitors, 1981

cDNA

recombination with silent chromatin substrates, 484

CDP protein

interaction with SATB1, 4918 Cds1 protein

regulation, 4262

C/EBPa protein phosphorylation by GSK3, 8433 regulation of C/EBPB LIP isoform generation, 1695 regulation of E2F-p107 complex forma-

tion, 2936 repression by Sp1, 4855

C/EBPB protein

LIP isoform generation regulated by C/EBPa, 1695

role in keratinocyte differentiation, 7181 role in p20K activation, 5718

Cell cycle

arrest by MEKK3, 3857 control of Cdc7 kinase activity, 4888 control of Swe1 degradation, 6929 delay by CDK4 disruption, 7011 exit induced by endothelial cell confluence, 2763

G₁ exit control in vivo, 353 G1 Fos and Jun expression, 330

G2 delay caused by Myt1 overproduction, 5113

influence on Akt myogenic induction, 5073

MyoD-mediated arrest, 5203 phase-dependent proteolysis of p27, 1190 progression affected by c-Myc, 4672 progression despite 4BP-1 dephosphorylation, 6041

progression regulated by hTAF_{II}150 (CIF150), 5548

regulation by Cdc4, 1759 regulation of Dbf4p, 4270 regulation in yeast, 6872

role in C. fasciculata gene regulation, 6174

role in DNA polymerase α-primase regulation, 646

role of cyclin A1, 2400 role of Esal in progression, 2515

role of HSF trans-activation domain in progression, 402 roles of Ras and cyclin D1, 4623

roles of Sit4 and Ppz1, 2408 TGF-B repression of cdc25A during ar-

rest, 916

uncoupling of S and M by c-Myc, 5339 Cell differentiation

role of S. macrospora ATP citrate lyase, 450

Cell growth

c-Myc target gene involvement, 1 RhoB-mediated inhibition by FTIs, 1831 Cell type

role in cytoskeletal control of transcription factors, 1742

role in USF activity, 1508

Cell-cell contact localization of Gab1, 1784

Cellular proliferation activity of USF, 1508

Cellular retinoic acid binding protein II interactions with RANC, 7158

Central nervous system control elements in the GATA-3 locus, 1558

Centromere

transcriptional silencing, 5143

Cerl protein

role in S. cerevisiae ER, 5298

Ceruloplasmin translational silencing, 6898 (CGG)_n repeat

stability in S. cerevisiae, 5675

C/H1 domain role in CBP mediation of Zta activation of EBV, 1617

Chaperone Hsp104-Hsp70 interactions in prion curing, 1325

Chemokine RANTES transcription activation by IRF-3, 959

Chicken

β-globin 5'HS4 boundary element, 3714 Chinese hamster cell

transgene silencing, 3198

CHIP protein interaction with Hsc70 and Hsp70, 4535

Chk1 protein regulation, 4262

Chlamydomonas reinhardtii

chloroplast 5'UTR mutations, 6980 Gbp1, 923

Chloroplast

5'UTR mutations, 6980 mRNA stability, 8479

CHOP protein

induction of CA-VI expression, 495 interaction with Jun/Fos proteins, 7589

Chromatin

assembly affected by HP1-like protein, 3624

damage and DNA accessibility, 1673 decondensation by TAF-I, 6940 diminution in A. suum, 3457

HMRa, 7944

interdependence of LCR HS2 and e-globin promoter, 7600

mediation of Pol III transcription repression, 1605

modulation in rDNA silencing, 3184 opening by RAP1, 5279

organization influenced by Abfa/AML sites, 7491

organization upstream of H19, 2556 recombination with Ty5, 484 remodeling at the PHO5 promoter, 2817 role of CCAAT binding in structure, 6523

structure of enhancer-deleted rDNA, 4953 transcription initiation, 8123 Chromatin-remodeling factor

MOR interaction with Brahma, 1159 Chromosome

organization in meiosis and role of msh2, 241

segregation influenced by proteasomes, 5143

segregation modulated by Hec1, 5417 Chromosome III

meiotic recombination domains, 4832 Chronic myelogenous leukemia

induction and Abl kinase, 6918 Cif protein

regulation by Bcl-2 and caspases, 1381 CIF150 protein

role in cell cycle progression, 5548 Circadian period

effect of tim", 4343 Circular DNA

extrachromosomal formation in X. laevis,

cis element

role in C. fasciculata gene regulation, 6174

c-sis mRNA, 5429

cis-acting sequence role in chloroplast mRNA stability, 8479

Class II transactivator interaction with CBP and role in MHC transcription, 941

promoter regulation by STAT1, IRF-1, and TGF-β, 431

Cleavage and polyadenylation specificity fac-

role in polyadenylation, 5707

Cleavage-polyadenylation apparatus assembly, 5588 Clk/Sty protein

modulation of SR activity, 6991

CLN1 gene

role in C. albicans filamentous growth, 4019

CLOCK protein DNA binding in heterodimer with CYC/

dBMAL1, 5316 Coactivator

interface with estrogen receptor, 3895

Coiled coil regulation of c-Fes, 8335

Collagen a1(I) conserved stem-loop structure, 4334

Collagenase 3

targeting by Cbfa1, 4431 Colony-stimulating factor 1

induction of apoptosis, 2624 Colony-stimulating factor 1 receptor multimeric complexes, 4079

signaling and mitogenesis role of Raf and v-Src, 1101

Coumarin 7-hydroxylase regulation by DBP, 6488

COUP-TF protein upregulation of NGFI-A gene expression. 2734

binding to p96-p79 complex, 7741

CpG island de novo methylation, 5642

methylation, 6690 CREB binding protein

acetylation of GATA-1, 3496 interaction with CIITA and role in MHC transcription, 941

interaction with nucleoporin FG-specific repeats, 764

role in Zta activation of latent EBV, 1617 CREB protein

activation differences from c-Myb, 5601 phosphorylation induction by glutamate,

role in PI3-K/Akt upregulation of mcl-1, 6195

Crisis

136

escape allowed by telomerase activity. 1864

Crithidia fasciculata gene regulation, 6174

Crk and CrkL proteins interaction with HPK1 in JNK activation,

CRM1 protein

interactions with nucleoporins and An3, 6276

Cryptococcus neoformans effect of rapamycin, 4101 melanization in mice, 745

Crypton targeting by Hsp60, 2198

Cse4 protein centromere-specific function, 6130

Csx/Nkx2.5 protein

phosphorylation, 526 role in cardiomyocyte differentiation, 7096

CtBP1 and CtBP2 proteins corepression of 8EF1, 8581 C-terminal binding protein interaction with vertebrate Polycomb pro-

teins, 777 C-terminal domain

xviii

ERK7 activity, ERK7 localization, and cell growth role, 1301

C-terminal motif

role in pRB phosphorylation by cyclin-cdk complexes, 1068

C-terminal sequence

role in Siah-1 oligomerization and protein binding, 724

CTG repeat

instability during gametogenesis, 4153 Ctk2 protein

degradation by ubiquitin-proteasome pathway, 2527

CUP1 gene

transcriptional activation, 3237

Cux/CDP homeoprotein

repression of Eu by Bright antagonism, 284

Cu/Zn-superoxide dismutase

FLP recombinase-mediated induction, 216 CYC/dBMAL1 protein

DNA binding in heterodimer with CLOCK, 5316

Cyclic AMP

stimulation of proliferation, 5882 Cyclic AMP-dependent protein kinase activation of PKB, 4989

complex with cdk and role in pRB phosphorylation, 1068 reassortment of complexes with CDK and inhibitors, 1981

Cyclin A1

role in cell cycle and protein interactions. 2400

Cyclin A-Cdk2 protein regulation by Skp1 and Skp2, 635

Cyclin A-dependent kinase activation by Cdc25A, 6183

Cyclin B-Cdk1 kinase stimulation of plasmid replication, 1226

Cyclin D1

control by NF-kB, 5785 estrogen-induced nuclear translocation,

expression regulation by NF-kB, 2690 induction mediated by PI 3-kinase, 1346 role in cycling cells, 4623

Cyclin D3

role in cell cycle arrest, 5203 Cyclin D- and E-dependent kinase interactions with p57KIP2 inhibitor, 353

Cyclin D-CDK complex subunit arrangement and INK4 and p21 class inhibitors, 1775

Cyclin D-Cdk4 protein regulation by c-Myc, 4672

Cyclin D-Cdk6 protein regulation by c-Myc, 4672

Cyclin E association with BAF155 and BRG1, 1460 elevation in macrophage development,

6229 influence on BRG1-induced growth arrest, 1460

Cyclin E2

binding to Cdk2 and expression in human

Cyclin E and cyclin A-cdk2 kinase activation inhibited by progesterone, 2251 Cyclin E-Cdk2 kinase

inhibition by p57^{Kip2}, 7621 Cyclin E-Cdk2 protein inhibition by p21^{Waf1/Cip1}, 205 interactions with p300, 4241

Cyclin E-dependent kinase activation by Cdc25A, 6183

Cyclin T1

rescue of Tat function, 4592 Cyclin-dependent kinase

Cdc28 control of yeast filamentous growth, 1369

Cyclin-dependent kinase 2 consensus site in BRCA1, 4832 Cyclin-dependent kinase inhibitor

p21 and p16, 2109 Cyclobutane pyrimidine dimer

repair modulation, 934 Cyclosporin A

translational silencing of autocrine IL-3, 889

CYPIAI gene

autoregulation of expression, 6825

Cyp2a4 and Cyp2a5 genes regulation by DBP, 6488

CYP2B gene

induction and CAR translocation, 6318 Cysteine string tyrosine kinase

Rlk/Txk activation by Src family kinases, 1498

Cysteine-rich domain

role in Raf response to Ras family, 6057 Cystocyte

differentiation and RBP9, 2505

Cytochrome c efflux regulation by Bcl-2 and caspases,

1381 role in B-Raf antiapoptotic activity, 5308

role in cell death, 5800 Cytochrome c oxidase

role in P. anserina senescence, 4093 Cytokeratins K10 and K16

modulation of cell proliferation, 3086 Cytokine

signaling role in IL-8 synthesis, 6742 withdrawal induction of apoptosis, 7399 Cytokine receptor

common B chain activation of apoptosis, 7399

Cytokine-inducible SH2-containing protein 1 transgenic mice, 6396

Cytomegalovirus

IE2 interaction with Spi-1/PU.1, 6803

Cytoskeleton

adapter protein SH3P7, 1539 network control of c-Jun expression and GR activity, 1742

Dax-1 gene

expression regulated by WT1, 2289

Dbf4 protein

cell cycle regulation, 4270

role in cell cycle control of Cdc7 kinase,

Dbl homology domain

role in Ras-GRF oligomerization, 4611 Dbl protein

transformation dependence on MEK and NF-кB, 7759

DBP protein

regulation of Cyp2a4 and Cyp2a5, 6488

dbp6 gene

synthetic lethality in Rsa1p screen, 8633

Dbs protein

transformation dependence on MEK and NF-кB, 7759

DDB protein

p125 import and E2F1-activated transcription role, 4935

Ddc1 protein

complex role in DNA damage checkpoint control, 1136

Deadenvlation

role in CsA translational silencing of IL-3, 889

DEAH-box protein

MOG-1 protein, 2189

Decapping enzyme

role in mRNA stability, 7568

DEF-1 protein

induction of adipogenesis, 2330

δEF1 protein

regulation by estrogen, 3600 repression by CtBP1 and CtBP2, 8581

Dexamethasone effect on rat MCP-1, 6471

dGATAb protein

requirement for ecdysone response, 5732 DhkA protein

role in D. discoideum differentiation, 4750 Dictyostelium discoideum

SDF-2-induced terminal differentiation, 4750

dim1+ gene

interaction with APC/C, 2535

Dimerization

influence on Gbp1 binding specificity, 923 regulation by PKA phosphorylation of human ERa, 1002

Dioxin receptor

transformation to complex with Arnt, 5811

Disabled 1 protein

PTB binding, 5179 DIX domain

role in Dvl and Axin function, 4414

DmRAD54 gene

role in DSB repair and interaction with Ku70, 6269

DNA

accessibility modified by Gadd45, 1673 complexes with TFIIIB, 5218 loop domains and histone contacts, 1470

DNA binding

by GCNF, 690

role in p53 repression of AFP expression,

roles of a1 and α2 homeodomain proteins, 585

DNA binding domain

GR, 7106

role in Pax3-FKHR oncogenic potential, 594

DNA damage

checkpoint pathway in yeast, 1136 increase of p53 acetylation, 1202 influence on E2F-1 upregulation, 3704

resistance by ETH1, 1800

DNA demethylation site specification by protein binding, 46

DNA helicase Mcm4,6,7 activity, 8003

DNA ligase III

nuclear and mitochondrial forms, 3869

DNA methylation control of germ line-specific genes, 7327 role in transgene silencing, 3198 skeletal α -actin promoter, 164 DNA polymerase α

complex with primase, 646, 7886 DNA polymerase δ

3'→5' exonuclease role in mutation avoidance, 2000

DNA polymerase ε 3'→5' exonuclease role in mutation avoidance, 2000

DNA polymerase γ X. laevis and human, 4039

DNA replication initiation regions during *Drosophila* embryogenesis, 547 stimulation by human topo I, 1686

stimulation by human topo I, 1686 uncoupling from mitosis by c-Myc, 5339 DNA synthesis

induction by interstrand cross-links, 5619 stimulation by MEK, 321 DNA tracking

testing by MOT1, 412 DNA-dependent protein kinase Ku-dependent activation, 4065

NA-dependent activation, 4065
DNA-dependent protein kinase catalytic subunit

activation by Ku80, 3267 kinase activity in DSB repair, 3869

DNApolα-dE2F locus
D. melanogaster, 547
DNase I-hypersensitive site formation in amdS, 6523

Dnmt3a and Dnmt3b proteins in vivo activity, 8211 DOK protein

DOKL role in Abl signaling, 8314 Dolichol

synthesis in yeast, 471 DOT4 gene

regulation of yeast silencing, 6608

Double-strand break influence on p53 phosphorylation, 2828 processing by Mre11, 556 repair and DmRAD54, 6269

repair in mammalian cells, 8353 Double-stranded RNA

mediation of apoptosis, 4757 Double-stranded RNA-activated protein kinase

PKR regulation by L18, 1116 DRE binding factor

role in DNA replication, 6020

Drosophila melanogaster achaete-scute complex, 3443 bancal mutations, 7846

Btk homolog, 4405 CLOCK-CYC/dBMAL1 DNA binding,

5316 DmRAD54 gene, 6269 DNApolα-dE2F locus, 547 DREF role in DNA replication, 6020

E(spl)bHLH proteins, 4600 ecdysone response, 5732

erect wing expression, 3998 Groucho-dependent repression in embryos, 2080

life span extension by FLP-induced Cu/ ZnSOD, 216 moira gene, 1159

Notch and Wingless, 5743
Polycomb interaction with nucleosomes,

8451 RasGAP protein, 1928

RBP9 protein, 2505 rdgB protein, 2278 RpS21 protein, 2308

Sex-lethal functions, 3018 sphingolipids and cell survival, 7176 telomeric transposable elements, 873 wing morphogenesis, 2322

zfh-1 protein, 7155

DSS1 protein interaction with BRCA2, 4633 Dvl protein

DIX domain role in function, 4414 DXPas34 gene

regulation of Xist, 8513 Dynamin

PH domain role in receptor-mediated endocytosis, 1410

E box

activity abrogated by U2ΔE4 splice variant, 4788

E1A protein influence on Pax4 activation domain, 8281 interactions with p300, 4241 mediation of transformation, 4739 regulation of p53 and p73 activity, 3885 role in cell growth suppression, 8075

E1B 55,000-molecular-weight protein repression of transcription, 3403

E1B protein regulation of p53 and p73 activity, 3885 E2A protein

coactivation by Bridge-1, 8492 E2A-HLF gene transgenic mice, 4443

E2A-Pbx1a protein collaboration with Hoxa9, 6355

E2F protein activity regulation by pRB, 3246 complex formation with p107, 2936

regulation of *cdc25a* expression, 4695

regulation of c-myb promoter, 8442 regulation in T lymphocytes, 4729 targeting of CDC25A and induction of S phase, 6379

E2F-1 gene role in E7 disruption of pRb family function, 6458

E2F1 protein
activation of transcription, 4935
interaction with cyclin A1, 2400
oncogenic and tumor-suppressive properties, 6408
targeting by Rh and prohibitin, 7447

targeting by Rb and prohibitin, 7447 upregulation in response to DNA damage, 3704

E2F4 protein role in NGF-induced differentiation, 6048 E4orf6 protein

regulation of p53 and p73 activity, 3885 E6 oncoprotein binding to E6TP1, 733

E6-AP protein

coactivation of nuclear hormone receptor superfamily, 1182

E6TP1 protein binding and degradation, 733

7 protein disruption of pRb family function, 6458 Early B-cell factor targeting of B29, 392

EBNA1 protein linking regions, 3349 Ecdysone

response in *D. melanogaster*, 5732 Ecdysone receptor

EcR-B1-USP-1 activation of MHR3 gene, 4897

EcR-B1-USP-1 protein activation of MHR3 gene, 4897

EcR/USP protein requirement for ecdysone response, 5732 EDA exon

alternative splicing in fibronectin gene, 2657

Egr-1 protein role in LHβ gene transcription, 2567 Egr3 protein

isoforms in the brain, 4711 Elk-1 protein

phosphorylation induction by glutamate, 136

Elm1 protein role in mitotic signaling network, 7983 Elongation factor 1β

mutation effect on translational fidelity, 5257 Embryogenesis

D. melanogaster, 547 ENAI gene repressors and URSs, 537 End joining

role of Mre11, 556 Endocardium

control elements in the GATA-3 locus, 1558 Endocytosis

role of dynamin PH domain, 1410 Endoplasmic reticulum

protein localization mutation identification of RER2, 471 role of Cer1p, 5298 Endoreduplication

prevention by p21^{Waf1/Cip1} protein, 205 Endothelial cell

adhesion, migration, and survival, 2958 Enhancer of split protein bHLH proteins, 4600

Entamoeba histolytica crypton, 2198 Epidermal growth factor

activation of Ras and MAPK, 4279 transformation of human lung carcinoma cells, 1938

Epidermal growth factor receptor mediation of effects of PKCα and PKCδ, 7672

role in BK receptor-mediated MAPK activation, 5289

Epithelium morphogenesis and Gab1, 1784

Epstein-Barr virus activation by Zta, 1617

influence on IFN-α responsiveness, 7305 LMP1 interaction with TRADD and RIP, 5759

c-MYC, apoptosis, and tumorigenicity regulation in BL, 1651 Op repression by IRF-2, 3216

Equine infectious anemia virus
Tat function rescued by cyclin T1, 4592

c-ErbAal protein

role in mtRNA synthesis, 7913

ErbB protein

receptor homo- and heterodimerization, 6845

signaling through Sp1, 1961 erect wing gene

transcript splicing, 3998

ERF protein

targeting by Ras/MAPK, 4121

Erf2 protein

effect on Ras2, 6775

ERG protein

fusion with FUS (TLS), 7639

ERK1 and ERK2 proteins

chimera role in c-fos activation, 8052

Erythroid cell

differentiation inhibition by Fli-1, 121 terminal differentiation and HERF1, 3808

Erythroleukemia cell transcriptional oscillations, 4907

Erythropoietin

erythroid proliferation and differentiation induction, 4452

Esal protein

role in cell cycle progression. 2515

Escherichia coli

reporter mRNA translation and 5'UTR mutations, 6980

S. cerevisiae endonuclease III homologs, 3779

Estrogen

induction of cyclin D1 and cdk4 nuclear translocation, 2251 regulation of δEF1, 3600

Estrogen receptor

α and β peptide antagonists, 8226 interface with coactivator, 3895

signaling and p23, 3748 Estrogen receptor a

activation function 1 activation by p68,

complex with ERB, 1919

phosphorylation by PKA, 1002

Estrogen receptor B

complex with ERa, 1919

ETH1 gene

limit of spontaneous mutagenesis, 1800

Ets protein

sea urchin SpEts4, 1271 transcriptional activation, 2946

Ets-2 protein

cooperation with ATF-2 and Jun family members, 6240

inhibition of apoptosis in macrophages, 2624

Euchromatin

methylation-mediated gene silencing, 6415 Eukaryotic translation initiation factor 4AIII difference from 4AI and 4AII, 7336

Eukaryotic translation initiation factor 2 α-subunit involvement in apoptosis, 4653 β-subunit binding of mRNA, 173 heme-regulated kinase, 5861

Eukaryotic translation initiation factor 4A interaction with eIF4G, 5557

Eukaryotic translation initiation factor 4E phosphorylation by Mnk1, 1871 role in translational homeostasis, 4302

Eukaryotic translation initiation factor 4E binding protein 1 phosphorylation influenced by PKB, 4525 Eukaryotic translation initiation factor 4G cleavage, 2445

interaction with eIF4A, 5557

EWG protein enrichment in D. melanogaster, 3998 Exo1 protein

role in yeast postreplication mutation avoidance, 2000

Exo70 protein

interaction with Rho3, 3580

Exocytosis

regulation by Rho3, 3580

Exon

in vivo recruitment of hnRNP A1, 251 inclusion regulation by PTB, 78 N1 splicing in neuronal cells, 69

Exon enhancer

government of MVM NS2-specific exon inclusion in mRNAs, 364

Exon splicing enhancer nuclear function and PTC, 1640

Exon splicing silencer

hnRNP A1, 251 Exonic element

influence on SR protein substrate specificity, 1853

Exonuclease

roles in yeast postreplication mutation avoidance, 2000

Exonuclease III

S. cerevisiae homolog, 1800

subunit Rrp43 interaction with Nip7, 1518

Extracellular matrix cell interactions, 7420

Extracellular signal-regulated kinase activation of topoisomerase IIa, 3551 role in glutamate effect on Elk-1, CREB, and c-fos, 136

Extracellular signal-regulated kinase 5 role in linkage of GPCRs to the c-jun promoter, 4289

Extracellular signal-regulated kinase 7 C-terminal domain, 1301

Extrachromosomal ribosomal DNA circle formation in S. cerevisiae, 3848

e(v)1 gene encoding of TAF_{II}40, 3769

Eya protein

nuclear translocation and cooperation with Six, 6815

v-Eyk protein

Stat3 activation and role in cellular transformation, 1401

interaction with Skp1 in controlling Cdc4 abundance, 1759

FANCA protein

interaction with FANCC and FANCG/ XRCC9, 4866

FANCC protein

interaction with FANCA and FANCG/ XRCC9, 4866

FANCG/XRCC9 protein

interaction with FANCC and FANCA, 4866

Fanconia anemia protein

FANCA, FANCC, and FANCG/XRCC9 interactions, 4866

Farnesyltransferase inhibitor

RhoB-mediated inhibition of cell growth,

fas gene

transcriptional regulation, 2098

Fas protein

death signaling, 3299

ligand induction by JNK activation, 751 mediation of cell death, 3842

Fas receptor

mediation of apoptosis, 5991

FAST-2 protein

mediation of TGF-β signals, 424

F-box protein

Grrlp role in AGP1 transcriptional induction. 989

Skp2 regulation of cyclin A-Cdk2, 635 Fen1/Rad27 protein

binding to PCNA, 5373

c-Fes protein

regulation by coiled coils, 8335

FG repeat

interaction with CBP, 764

Fibroblast

mTOR-p70^{S6K}-independent signaling,

1346

Pak protein kinase activation, 1881 Fibroblast growth factor 2

cap-dependent synthesis and role as survival factor, 505

Fibroblast growth factor receptor 2 HSGAG modification, 6754

Fibroblast-derived growth factor MAPK activation, 4209

Fibronectin

EDA exon alternative splicing, 2657 expression control by β-catenin, 5576

Filamentous growth control by Cdc28, 1369

Fisp12/mouse connective tissue growth fac-

adhesion, migration, survival, and angiogenesis role, 2958

FKBP12 protein

complex with rapamycin, 4101

FKHR protein

oncogenic potential of fusion protein with Pax3, 594

FKLF protein

activation of \u03b3-like globin genes, 3571

Flagellum

morphogenesis in trypanosomes, 8191

Fli-1 protein

regulation by Spi-1/PU.1 and differentiation inhibition, 121 role in erythroid proliferation and differ-

entiation, 4452

FLP recombinase induction of Cu/ZnSOD, 216

FMRP protein

association with mRNP, 7925

Focal adhesion kinase

role in cell motility, 3125 role in cell spreading and migration, 4806

Focal adhesion kinase-related nonkinase regulated expression, 6120

FOG-2 protein cofactor of GATA, 4495

Formin

Bni1 regulation of nuclear migration, 8016

c-fos gene activation induction by glutamate, 136 Ras-Raf-mediated activation, 8052

SRE activation, 1313 transcription repression by BRG1, 2724

xxi

Fos protein

expression during G1 influenced by MAPK activation, 330

fps/fes gene

role in hematopoiesis, 7436

Fragile X

(CGG), stability in S. cerevisiae, 5675

Fragile X-related protein complex with mRNP, 7925

Frameshift intermediate

removal in S. cerevisiae, 4766

Friend erythroleukemic cell line erythroid differentiation inhibition by Fli-1, 121

basolateral sorting, 3136

FUS (TLS) protein

fusion with ERG, 7639

FYVE finger

presence in p235, 623

G₀/G₁-to-S-phase transition regulation by NF-kB, 2690

G, checkpoint in TIELF cells, 2373

G1 cyclin

role in C. albicans filamentous growth,

G₁ cyclin-dependent kinase inhibition by p27kip1, 1190

G₁ phase

cyclin E2, 612

exit control in vivo, 353

Fos and Jun expression, 330

progression in proliferating hepatocytes, 6003

G₁/S transition

acceleration by Cdc25A, 6183 role of ASK, 5083

G2 checkpoint

maintenance and p53, 5872

G₂/M phase

inactivation of BCL-1, 8469

G₂/M transition role of Cdc4, 5512

G alpha-q/11 protein

role in insulin-induced glucose transport, 6765

G protein

mediation of signaling, 714 G protein-coupled receptor

linkage to c-jun promoter, 4289

Gab1 protein

PH domain role in localization and function, 1784

GADD34 protein

induction of apoptosis and association with HRX, 7050

Gadd45 protein

modification of DNA accessibility, 1673

Gal3 protein

destabilization of Gal80-Gal4, 7828

Gal4 protein

binding to nucleosomal sites, 2977 complex with Gal80, 7828

Gal80 protein

complex with Gal4, 7828

Galactose

influence on Gal3 action, 7828 β4-Galactosyltransferase I

expression in spermatocytes and spermatids, 5823

Ga11 protein

binding to RGS3, 714

Gametogenesis human, 4153

Gamma interferon

activation of U937 cells, 6898 induction of MHC CIITA promoters, 431

induction of transcription, 5106 GAP protein

E6TP1 binding and degradation, 733 Gas6 protein

interaction with Axl, 8075

GATA protein

FOG-2 cofactor, 4495

GATA-1 protein

acetylation by CBP, 3496 GATA-3 locus

distant control elements, 1558

GATA-4 protein

interaction with GATA-6, 4355 role in cardiomyocyte differentiation, 7096

GATA-6 protein

interaction with GATA-4, 4355

GB subunit

mediation of receptor inhibition of pheromone signaling, 441

GBy protein

membrane localization, 7705

Gbp1 protein

ssDNA binding and binding specificity, 923

Gcd10 protein

role in initiator methionyl-tRNA maturation, 4167

GCD14 protein

role in initiator methionyl-tRNA maturation, 4167

Gcn2 protein

binding and regulation by Hsp90, 8422

Geranylgeranylation RhoB, 1831

Germ cell nuclear factor

DNA binding and dimerization, 690

Germ line

gene specificity, 7327

Germinal center kinase

role in TRaf-mediated SAPK activation, 6665

GIS1 gene

repression of PHR1, 7630

Glial cell

JCV_{CY} transcriptional activity, 2712 α-Globin

mRNA stability complex assembly, 4572 B-Globin 5'HS4 boundary element, 3714

gene transcription, 3062

LCR-mediated transactivation, 5565

splicing enhancers, 261

ε-Globin

promoter cross-talk with LCR HS2, 7600 y-Globin

induction by Id2, 4182

Glucocorticoid

cytotoxic and cytostatic effects, 5036

Glucocorticoid receptor

cytoskeletal network-controlled transcription, 1742

DBD ectopic expression, 7106

glucocorticoid cytotoxic and cytostatic effect role, 5036

LBD mutation, 8146

NL1- and NL2-mediated nuclear localiza-

tion, 1025

transcriptional activation, 5952

Glucose sensor

interaction with Std1 and Mth1, 4561

Glucose transport

insulin induction and Gaq/11, 6765

GLUT4 protein

insulin-induced translocation, 1081, 4008, 7771

Glutamate

Elk-1 and CREB phosphorylation and c-fos activation, 136

Glutaredoxin

role in oxidative damage protection, 8180 Glyceraldehyde-3-phosphate dehydrogenase

S-thiolation, 2650 Glycogen synthase kinase

regulation of AP-1, 7420

Glycogen synthase kinase 3 phosphorylation of C/EBPa, 8433 regulation in early Xenopus development.

1427 Glycogen synthase kinase 3B

regulation by Axin, 7147 Glycogen synthase phosphatase

interaction with HSF, 3237 Glycoprotein B

activation of IFN-responsive pathway, 3607

Glycosaminoglycan

modification of FGFR2, 6754

Goosecoid protein

mediation of Groucho-dependent repression, 2080

gp130 protein

regulation by SHP-2, 5326

Gpa2 protein

control of Ime2 activity, 6110 GPVI protein

platelet activation, 8326 Granulocyte-macrophage colony-stimulating

vitamin D3-mediated transcriptional repression, 4191

Granzyme B

cytosolic delivery, 8604

Grb2 protein binding site in c-Mer RTK, 1171 expression in transgenic mice, 8169

interaction with Ajuba, 4379

Grb10 protein stimulatory mitogenic role, 6217

GRF protein

oligomerization and Raf activation, 4611

Groucho protein

repression mediated by Goosecoid, 2080

Group I intron

catalytic efficiency, 6479 Group II intron

role in P. anserina senescence, 4093 Growth arrest

induction by BRG1, 1460

Growth factor induction of actin filament rearrangement, 1081

mediation of membrane ruffling, 8158 stimulation of NIH 3T3 fibroblasts, 1346

Grr1 protein role in AGPI transcriptional induction,

989 Grx5 protein

role in oxidative damage protection, 8180

GTPase

Ras, Rac, and Rho signaling role in Pak activation, 1881

Guanine nucleotide exchange factor signaling in PC12 cells, 1731

H2A/H4 nucleosomal histone acetyltrans-

T. thermophila, 2061

H₂O₂

role in CYPIA1 autoregulation, 6825 H3-H4 proteins

association with NF-Y, 8591

H19 gene

chromatin organization upstream, 2556

H*-pyrophosphatase

localization to acidocalcisomes, 7712

Hairpin

opening mediated by RAG1 and RAG2, 4159

Hal4 and Hal5 protein kinases modulation of Trk1-Trk2 potassium transporter, 3328

Hap1 protein heme regulation, 4324

hapB, hapC, and hapE genes product presence in AnCF, 99

Hatching enzyme promoter use in screen for SpEts4, 1271 HCF protein

conservation in C. elegans, 909 HDAC4 protein

role in transcription, 7816

Heat shock

effect on Net repressor, 7076

Heat shock factor binding to yeast HSP82 promoter, 1627 interaction with glycogen synthase phos-

phatase, 3237 Heat shock factor 1 regulation by HSP90, 8033

Heat shock protein interaction with 5'-AMP, 6858

Heat shock protein 70 chaperone activity and thermotolerance,

2069 Heat shock transcription factor trans-activation domain role in cell cycle

progression, 402 Hec1 protein

interaction with SMC proteins, 5417 HeLa cell

Pol II quantitation, 5383

Helix 12 role in RXR repression regulation, 6448 Hematopoiesis

regulation by SHIP, 7473 role of Fps/Fes kinase, 7436

Hematopoietic cell

c-Mer signaling, 1171 Hematopoietic progenitor kinase 1 interaction with Crk and CrkL in JNK activation, 1359

regulation of yeast Hap1, 4324 Heme-regulated kinase

eIF2α, 5861 Hepatitis B virus

X protein association with IκBα, 6345 Hepatocyte

entry into S phase in mice, 8570 Hepatocyte growth factor

override of TGF-β-induced growth arrest,

3654

Hepatocyte growth factor/scatter factor RCC invasion and branching morphogenesis induction, 5902

Hepatocyte nuclear factor 4α1 splicing variation, 6509

HERF1 protein role in erythroid cell differentiation, 3808 Herpes simplex virus

HCF conservation in C. elegans, 909 Het-A retrotransposon

transcription, 873 HFH-11B protein

role in hepatocyte maturation, 8570 High-mobility-group I protein binding to IFN-β promoter, 2803

High-mobility-group domain protein SOX mechanism of regulatory target selection, 107

High-mobility-group protein regulation of DNA-dependent activities, 5237

High-mobility-group protein I/Y-like DNA binding domain influence on brm/SNFa activity, 3931

him1+/dfp1+ gene role in S phase, 5535

HIN-200 protein transcription and growth regulatory functions, 5833

Histone

binding by S. pombe Tup1 homolog, 8461 DNA contacts, 1470 mRNA binding to SLBPs, 835 pre-mRNA binding to U7 snRNP, 3561 synthesis during oogenesis, 835

Histone acetylase

PCAF coactivation of IRFs, 1810 Histone acetyltransferase

activity in TFIIIC90, 7697 copurification with Pol I holoenzyme, 796 Esa1p, 2515

influence on Tax transactivation, 8136 mediation of GR transcriptional activation, 5952

presence in human TFIIIC, 1605 stimulation of transcription, 855

Histone deacetylase ADA complex in yeast, 6621 HDAC4 role in transcription, 7816 influence on XPc1 transcriptional repres-

sion, 3958 mediation of TGF-β repression of cdc25A, 916

repression activity and RB proteins, 6632 Histone deacetylase 1

transcription repression by Sp1 binding, 5504

Histone fold

role in TBP-TAF28 interactions, 5050 Histone H1

binding to IFN-β promoter, 2803 Histone H3

centromere-specific function, 6130 Histone H4

connection with SIN3, RPD3, and RbAp48, 5847

HMG1 and HMG2 proteins role in RSS binding, 6532 HMG-17 protein

acetylation by PCAF, 3466 HML gene

role in silent replication origin activation,

6098

HMRa gene chromatin structure, 7944

hnRNP A1

role as exon splicing silencer, 251

hnRNP C

binding to c-sis mRNA cis elements, 5429 hnRNP H

role in c-src N1 exon activation, 69

hnRNP U inhibition of Pol II elongation, 6833

HOG protein

role in osmotic regulation of ENA1, 537

Homeobox gene product Csx/Nkx2.5, 526

Homeodomain

Csx/Nkx2.5, 526

Homeodomain recognition helix role in Pax3-FKHR oncogenic potential, 594

HOP2 gene

transcript splicing, 7933

Hot1 protein

role in yeast osmoregulation, 5474

Hox protein

complex with TALE proteins, 5134 heterodimers with Pbx, 8219 trimeric complexes with PBX and MEIS, 7577

Hoxa9 protein

collaboration with E2A-Pbx1a, 6355 complexes with PBX2 and MEIS2, 3051 Hoxb2 gene

hindbrain enhancer activity, 5134 HP1 protein

interaction with KAP-1, 4366

HP1-like protein role in T. thermophila, 3624

Hpr1 protein

multiprotein complex role in PKC signalina 1056

hprl \Delta gene synthetic lethality with acc1 alleles, 3415 HRX protein

inhibition of GADD34-induced apoptosis, 7050

Hsc70 protein

interaction with CHIP, 4535 role in HRI biogenesis and regulation,

hSiah2 protein

inhibition of Vav pathways, 3798

Hsk1 protein subunit role in S phase, 5535

Hsl1 and Hsl7 proteins

degradation of Swe1, 6929 Hsl7 protein

role in septin assembly and Cdc28 phosphorylation, 7123

hSNF5/INII protein association with HRX, 7050

Hsp40 protein yeast Sis1, 7751

Hsp60 protein

targeting to Entamoeba crypton, 2198

Hsp70 protein antagonistic interactions with Hsp104 in prion curing, 1325

interaction with CHIP, 4535

HSP72 protein role in JNK activation, 2547

HSP82 gene promoter binding to HSF, 1627 Hsp90 protein association with p23, 3748 binding of Gcn2 protein, 8422 regulation of HSF1, 8033 role with p50°dc37 in Raf-1 function, 1661 Hsp104 protein

antagonistic interactions with Hsp70 in prion curing, 1325

hTAF_{II}150 protein role in cell cycle progression, 5548 hTERT protein

role in assembly of active telomerase, 6207

Human

A549 lung carcinoma cell transformation by EGF, 1938

cancer expression of cyclin E2, 612 CTG repeat tract instability, 4153 DNA ligase III gene, 3869 DNA polymerase α-primase, 646

DNA-PKcs, 3877 ERα phosphorylation by PKA, 1002 fas promoter, 2098

FGF-2 isoform, 505 fibroblast senescence and differentiation, 2109

β-globin splicing enhancers, 261 malaria parasite sexual development, 967 MDR1-MDR2 chimeras, 1450

metallothionein IIA, 680 N-myc expression, 155

osteogenesis and acetylcholinesterase, 788 Pex14 orthologue, 2265

Rec8p conservation, 3515 Staufen-like protein, 2212 SWI-SNF complex, 2088

telomerase RNA box H/ACA domain,

567 telomerase template RNA levels, 3989

TFIIIC activity, 1605 topoisomerase I stimulation of SV40 DNA replication, 1686

Human cytomegalovirus

gB activation of IFN-responsive pathway, 3607

Human immunodeficiency virus type 1 Tat interaction with NFAT1, 3645 Tat and Rev NLS function, 1210 Tat-activated transcriptional elongation, 2863

transcription regulation by CA150, 4719 Human papillomavirus type 16 E7 disruption of pRb family function,

6458

Hypersensitive site 2 role in globin gene transcription, 3062

Id1 protein role in apoptosis and lymphoma, 8240 Id2 protein induction of fetal globin, 4182 1d3 gene

effect in mice, 5969 le protein

transcription regulation, 7164

IE2 protein interaction with Spi-1/PU.1, 6803

IkB kinase complex component IKKAP1, 1526 composition, regulation, and function, 4547

IκB kinase β activation by PKC, 2180 IkB kinase-associated protein 1 IKK complex component, 1526

IκBα protein association with HBV X protein, 6345 stability modulation by RelB, 7688 Ime2 protein

control by Gpa2, 6110 Immortality

reversal by MORF 4, 1479 Immunoglobulin B chain

B29 gene as target for EBF, 392

Immunoglobulin E switching, 7164

Immunoglobulin heavy chain intronic enhancer repression by Cux/CDP, 284

variegated expression, 7031 Imp3 and Imp4 proteins

role in pre-18S rRNA processing, 5441 Importin a

role in NLS nuclear import, 1218 substrate specificities in nuclear protein import, 7782

Importin a3 import of RanBP3, 8400

Importin B

mediation of Arg-rich NLS nuclear import, 1218

role in Tat and Rev NLS function, 1210 Initiation factor

presence in Pol II complex that binds to TEF, 1242

Initiator methionyl-tRNA maturation in S. cerevisiae, 4167 INK4 protein

influence on cyclin D-CDK subunit arrangement, 1775

Inr promoter element analysis in a primitive eukaryote, 2380 Insulin

E2A-mediated transcription, 8492 gene transcription role of NeuroD1/BE-TA2, 704

induction of glucose transport, 6765 induction of GLUT4 translocation, 1081 mediation of mitogenesis, 6217 resistance induced by osmotic shock, 4684 stimulation of GLUT4 translocation, 7771 translocation of GLUT4, 4008

Insulin receptor role in cell proliferation, 3816 Insulin receptor isoform A

role in fetal and cancer cells, 3278 Insulin-like growth factor I

mediation of mitogenesis, 6217 role in maturation of the myogenic program, 3115

synergy with IL-4, 3816 Insulin-like growth factor 1 receptor role in apoptosis, 7203

Insulin-like growth factor II mRNA-binding protein repression of translation in late develop-

ment, 1262 Insulin-like growth factor II receptor

insulin receptor isoform A, 3278 Integrin signaling regulation by SHP-2, 3205

Integrin a, B3 endothelial cell adhesion and migration, 2958

Integrin-linked kinase interaction with PINCH, 2425 regulation of AP-1, 7420

Interdomain B

role in ZAP-70 signaling in lymphocytes,

Interferon

responsiveness enhanced by PCAF, 1810 Interferon regulatory factor

coactivation by PCAF, 1810

Interferon regulatory factor 1 regulation of MHC CIITA promoters, 431 Interferon regulatory factor 2

repression of EBV Qp, 3216 Interferon regulatory factor 3

role in RANTES chemokine transcription, 959

transactivation and autoinhibitory domains, 2465

Interferon-responsive pathway activation by HCMV gB, 3607

Interleukin-1

induction of uPA, 6240 influence on 293 cells, 4643

role in PI3K mediation of NF-kB transactivation, 4798

Interleukin-1 receptor-associated kinase role in 293 cells, 4643

Interleukin-1a

suppression in fibroblasts, 7688

Interleukin-1B

IE2-stimulated transcription, 6803 role in ROI-dependent activation of NFкВ, 1950

suppression in fibroblasts, 7688

Interleukin-2

effect on SOCS-3, 4980 regulation of IL-2rE accessibility, 2681 requirement for NFAT in expression,

2300 Interleukin-2-responsive enhancer accessibility to transcription factors, 2681

Interleukin-3 influence on 32D cells, 7995

translational silencing by cyclosporin A. 889 Interleukin-4 induction of Stat6-dependent genes, 7164

synergy with IGF-I, 3816 Interleukin-5 receptor a

promoter regulation by RFX proteins, 3940

Interleukin-6 receptor regulation of expression by SHP-2, 5326 Interleukin-8

transcription and mRNA stability, 6742 Interphase cdc25C cytoplasmic localization, 4465

Interstrand cross-link induction of DNA synthesis, 5619

Intracellular domain

v-Eyk, 1401 Intron

TSE regulation of N-myc expression, 155 Ion homeostasis

S. cerevisiae, 3328 Ionizing radiation

effect on PCNA regulation by p53, 12

Iron-responsive element translational regulation, 807 Isoflurane

response of yeast, 8254

J domain role in T antigen interaction with Tst-1/ Oct6/SCIP, 2455

Jak/STAT pathway

regulation by Shp-2, 2416

JCV_{CY} virus

transcriptional activity in glial cells, 2712

JIP protein

signaling, 7145 JSAP1 protein

role in JNK signaling pathway, 7539

c-jun gene

expression and influence of UV and wortmannin, 1768

linkage to GPCRs, 4289

Jun kinase

regulation of TCFβ1, 2021

Jun kinase 2

role in EGF-induced transformation, 1938

c-Jun NH2-terminal kinase

blockage by Bcl-2 and Bcl-X_L, 5659

role in linkage of GPCRs to the c-jun promoter, 4289

c-Jun NH2-terminal kinase kinase encoding by MKK7, 1569

Jun N-terminal kinase

inhibition by t-RA, 1973

c-Jun N-terminal kinase

activation, 2547

activation via HPK1-Crk and -CrkL interaction, 1359

downregulation in Drosophila, 7176

Fas ligand induction and neuronal cell

apoptosis role, 751 signaling influence on Stat3 activity, 7519

c-Jun N-terminal kinase 1

activation by UV and inhibition by wortmannin, 1768

c-Jun N-terminal kinase/stress-activated protein kinase

activation by TRAF, 6665

Jun N-terminal protein kinase binding by JSAP1, 7539

Jun protein cooperation with Ets-2 and ATF-2, 6240 expression during G1 influenced by

MAPK activation, 330 c-Jun protein

expression controlled by cytoskeletal net-

work, 1742 interaction with Stat3, 7138

regulation by TGF-β, 1821 stabilization by VDR, 4191

Jun/Fos protein

interaction with CHOP, 7589

Kaiso protein

interaction with p120ctn, 3614

KAP-1 protein

interaction with HP1 proteins, 4366

Kar4 protein

regulation, 817

Karyogamy

transcription factor Kar4p regulation, 817

KDWK protein

p96 and p79, 7741

Keratin

C/EBP_β-modulated expression, 7181

Keratinocyte

TGF-B repression of cdc25A, 916

Killer virus

loss promoted by RPL3 mutants, 384

Kin28 protein

phosphorylation by Cak1, 4774

Kinase

activity loss in p90'sk-mo-1 deletion mutant,

Kinase suppressor of Ras

modulation of MEK localization, 5523

Kinetochore

interaction with mitosin in M phase, 1016

Kinetoplastid

transcription termination and RNA 3'-end processing, 1595

Krüppel-like factor

FKLF activation of β-like globin genes, 3571

KSR protein

constitutive and Ras-inducible phosphorylation sites, 229

Ku protein

role in DNA-PK activation and MMTV transcription, 4065

role in NHEJ, 2585

role in Ty1 retrotransposition, 6260

Ku70 gene

synergy with DmRAD54, 6269 Ku80 protein

activation of DNA-PKcs, 3267

L18 protein regulation of PKR, 1116

A5-V_{preB1} locus

control region arrangement, 671

Large T antigen

inhibition of p53, 2746

Large T antigen-associated kinase

phosphorylation of UBF, 2791

Large tumor antigen

interaction with Tst-1/Oct6/SCIP, 2455

PLCy2 phosphorylation and GPVI activation role, 8326

Late H1 gene

activation in sea urchins, 3684

Late S phase

S. cerevisiae gene expression, 3312

Latent membrane protein 1

interaction with TRADD and RIP, 5759

Lbc protein

activation by C-terminus truncation, 1334

Leishmania tarentolae transcription termination and RNA 3'-end

processing, 1595

Lentivirus

Tat proteins, 4592

Lhp1 protein

role in initiator methionyl-tRNA maturation, 4167

lid1+ gene

interaction with dim1+, 2535

Life span

barriers to clonal expansion, 3103

extension by FLP-induced Cu/ZnSOD in D. melanogaster, 216

role in transforming dioxin receptor, 5811

Ligand binding domain

mutation in mouse GR, 8146

LIP protein

generation regulated by C/EBPa, 1695 Lipocalin

activation by C/EBPB, 5718

Lipogenic gene glucose-activated expression, 3760

5-Lipoxygenase

role in ROI-dependent activation of NF-

кВ, 1950

Liquid-ordered domain

role in signaling, 7289

LMO1 protein

mutation in transgenic mice, 5025

Locus control region

HS2 cross-talk with ε-globin gene promoter, 7600

mediation of β-globin transactivation, 5565

murine $\lambda 5 - V_{\text{preB1}}$, 671 role in globin gene transcription, 3062 role in IgH expression, 7031

TCRa, 1901

Loop I role in pre-mRNA splicing, 2782

Loop domain

creation in DNA and polynucleosome arrays, 1470

A549 carcinoma cell transformation by EGF, 1938

Luteinizing hormone B

transcription enhanced by Egr-1, Ptx1, and Sf-1, 2567

LXXLL motif

interaction with ER, 8226

Lymphocyte

antigen receptor signaling and SH3P7,

proliferation suppression by SOCS-3, 4980

ZAP-70 signaling, 948 Lymphoid enhancer factor 1

complexes with \u03b3-catenin, 4503

Lymphoid progenitor

differentiation and transformation in E2A-

HLF mice, 4443

Lysine repeat role in eIF2ß binding to mRNA, 173

M phase

mitosin-kinetochore interaction, 1016

regulation by Hec1, 5417

M1 senescence role in human cell replicative life span,

3103

role in human cell replicative life span,

3103

Macrophage CSF-1 deprivation-induced apoptosis,

2624 MADS-box transcription factor

MEF2C inhibition by Notch, 2853

Major histocompatibility complex CIITA promoter regulation by STAT1,

IRF-1, and TGF-β, 431 class I enhancer binding to NF-kB, 2169

class I regulation by USF, 4788

class II gene transcription, 941

P. falciparum sexual development, 967

Mammal

arginyl-tRNA-protein transferase, 182 DSB repair, 8353

eIF6 homolog in S. cerevisiae, 1416

late-development translation repression by IMPs, 1262

p53 inhibition of p73 function, 1438

SWI-SNF complex components BAF155 and BRG1, 1460

winged-helix protein FAST-2, 424

Mating-type switching role of Mre11, 556 role of msh2, 241 Matrilin 1

role in cartilage, 7841

MBD1 protein

gene silencing in euchromatin, 6415 MCAT1 protein binding with PARP and TEF-1, 296

mcl-1 gene upregulation by PI3-K/Akt pathway, 6195

MCM protein

association with RNA polymerase II holoenzyme, 6154

Mcm4-Mcm6-Mcm7 protein DNA helicase activity, 8003

Mcm6 protein association with replication origins, 7128

MCP-1 gene PDGF-stimulated expression, 4219 Mdj1 protein

role in mtDNA inheritance, 8201 mdm2 oncogene

regulation by thyroid hormone receptor, 864

MDM2 protein suppression of p73 function, 3257 MDR1-MDR2 chimera

drug transporter-phosphatidylcholine flippase relation, 1450

MEC1 gene interactions with TLC1 and TEL1, 6065 mediation of checkpoint response, 7041

Mec3 protein complex role in DNA damage checkpoint

control, 1136 Mediator complex

activator binding module, 2967 Mediator protein role in Pol II transcriptional activation,

979 MEF protein

interaction with AML1, 3635 MEF2 family

regulation by p38, 21 MEF2 protein

targeting by p38, 4028 Meiosis

chromosome organization and role of msh2, 241

HOP2 gene activation, 7933 role of Mre11, 556 role of Xrn1, 5930

Meiotic recombination domain S. cerevisiae, 4832

MEIS protein

trimeric complexes with PBX and HOX, 7577

MEIS2 protein complexes with PBX2 and HOXA9, 3051 MEK protein

interaction with PI3-kinase, 321 localization modulated by KSR, 5523 role in Dbl and Dbs transformation, 7759 MEK/Erk pathway

role in B-Raf antiapoptotic activity, 5308 Melanization

C. neoformans in mice, 745

Membrane ruffling mediation by growth factors and Rac, 8158

c-Mer protein signaling in hematopoietic cells, 1171 Messenger ribonucleoprotein association with FMRP, 7925

Messenger ribonucleoprotein particle assembly from spermatid mRNAs, 3904

Met receptor tyrosine kinase localization of Gab1, 1784 Metabolism

c-Myc target gene involvement, 1 Metallothionein IIA trans repression by PZ120, 680

Methylation

CpG islands, 6690 mediation of gene silencing in euchroma-

tin, 6415 mouse skeletal α-actin promoter, 164 Methylation guide small nucleolar RNA processing by Rat1 and RNase III, 1144

Methyltransferase Dnmt3a and Dnmt3b in vivo activity, 8211

MHR3 protein gene activation by EcR-B1-USP-1, 4897 MIBP1 protein

activation of somatostatin receptor II, 3736

Micronuclear chromosome P. tetraurelia, 7792

Mid2 protein cell wall stress signaling, 3969

Middle T antigen mutation in mice, 8169

Minute virus of mice NS2-specific exon inclusion in spliced mR-NAs, 364

Mismatch repair effect of MSH2 mutations, 7558 role in apoptosis, 8292 role of msh2, 241

role of S. cerevisiae exonucleases, 2000 Mismatch repair protein

removal of frameshift intermediates in yeast, 4766

Mitochondrial DNA inheritance in yeast, 8201 Mitochondrial DNA polymerase y

relation to class II aminoacyl-tRNA synthetases, 4039

Mitochondrial RNA synthesis regulation by thyroid hormone,

657 T3 receptor role in synthesis, 7913

Mitochondrion influence of PKC8, 8547 regulation of cell death, 3842 role in P. anserina senescence, 4093 transcription in wheat, 8113 tRNA import in T. brucei, 6253

Mitogen-activated protein kinase activation by EGF, 4279 activation in dividing hepatocytes, 6003 activation mediated by PKC8, 4209 Ajuba-augmented activity, 4379 binding by KSR, 229

BK receptor-mediated activation, 5289 influence on AP-1 regulation and Fos and Jun expression, 330

JIP group of scaffold proteins, 7145 linkage of GPCRs to the c-jun promoter, 4289

neuronal activation, 136 regulation by Ptp2 and Ptp3, 7651 regulation of Fas receptor responses, 5991 role in β-globin LCR-mediated transactivation, 5565

role in uPA gene induction, 6240 stimulation of Mos mRNA polyadenylation, 1990

ubiquitous messengers, 2435

Mitogen-activated protein kinase kinase kiactivation of AR and apoptosis, 5143

Mitogen-activated protein kinase kinase kinase 3

cell cycle arrest, 3857

Mitogen-activated protein kinase kinase/ extracellular signal-regulated kinase role in G₁ phase progression, 6003 Mitogenesis

complementation by Raf and v-Src, 1101 Mitosin

interaction with the kinetochore in M phase, 1016

Elm1 kinase role, 7983 regulation by cdc25C cytoplasmic localiza-

tion, 4465 spindle disruption and endoreduplication, 205

uncoupling from DNA replication by c-Myc, 5339

Mitotic recombination

homologous-partner choice, 4134 MKK7 gene

encoding of JNK kinases, 1569 MLH1 gene

modulation of function, 3177 Mnk1 protein

phosphorylation of eIF4E, 1871 mog-1 gene

encoding DEAH-box protein, 2189 moira gene

encoding of BAF170/BAF155/SWI3 homolog, 1159

Monocyte differentiation regulated by PKCB, 461 Monocyte chemoattractant protein 1

response to dexamethasone, 6471 Morphogenesis checkpoint

Swe1 inhibition of Cdc28, 5981 Mortality factor 4

induction of senescence in immortal cells, 1479 Mos protein

MAPK-stimulated mRNA polyadenylation, 1990

MOT1 protein testing for DNA tracking, 412 transcriptional activation, 2835

Motility role of SHP-2 and FAK, 3125 Mouse

DNA methylation at the skeletal α -actin promoter, 164

erythroleukemia cell transcriptional oscillations, 4907

H19 gene, 2556 Id3 mutants, 5969

A5-V_{preB1} LCR, 671

melanization in C. neoformans infection, 745 RAG-2 promoter B- and T-cell-specific

regulation, 2601 YY1 in early embryogenesis, 7137

Mouse mammary tumor virus Ku-dependent transcription, 4065 Mre11 protein

complex with Rad50 and Xrs2, 7681

role in meiosis and DSB processing, 556

abundance correlation with protein abundance in yeast, 1720 binding to eIF2β, 173

deadenylation and decapping, 5247 inclusion of MVM NS2-specific exon, 364 translation control by p79^{S6K}, 2485

mRNA stability complex function with PABP, 4552

MRP protein role in plasmid segregation, 7857 MRTI gene

role in mRNA stability, 7568

mismatch repair in *S. pombe*, 241 separation-of-function mutations, 7558

Msn1 protein role in yeast osmoregulation, 5474 Mth1 protein

interaction with glucose sensors, 4561 mTOR-p70^{S6K} protein

role in signaling in GF-stimulated NIH 3T3 cells, 1346

muREC2/RAD51L1 gene disruption and lethality, 8686 Muscle

specific transcription regulation by PARP and TEF-1, 296

Muscle fiber type-specific transcription of troponin I slow gene, 515

Mutagenesis limitation by ETH1, 1800

Mutator phenotype induction by aberrant replication, 1126

c-myb gene regulation through E2F element, 8442

c-Myb protein activation differences from CREB, 5601 c-myc binding protein 1

c-myc binding protein 1 functional domains, 2880

c-myc gene replicator activity, 5685 role in RK3E transformation, 5696

N-myc gene expression regulation by TSE, 155

Myc protein competition with USF, 8393

c-Myc protein downregulation by TGF-β, 5913 regulation by EBV in BL, 1651 regulation of cyclin D-Cdk activity and cell cycle, 4672

target genes and cell growth, apoptosis, and metabolism, 1

targeting of *Tmp*, 3529 uncoupling DNA replication from mitosis, 5339

Mycoplasma induction of transformation in 32D cells, 7995

Myeloid leukemia cell monocytic differentiation, 461

Myelopoiesis
RAR activation, 3372

Myo2 protein interaction with Rho3, 3580

Myoblast differentiation and cyclin D3, 5203

gene induction by low-affinity SRE, 1841

Myocyte enhancer factor 2C inhibition by Notch, 2853

MyoD protein half-life and myogenic activity, 3167 mediation of cell cycle arrest, 5203 stabilization by p57^{Kip2}, 7621

Myogenesis effect on Akt, 5073 Myogenic program

IGF-I-dependent maturation, 3115

Myt1 protein

interaction with Cdc2-cyclin B1, 5113

NADPH oxidase role in ROI-dependent activation of NFκB, 1950 NDDI gene

suppression of cdc28-1N, 3312

Necrosis

influence of caspase cleavage of PARP, 5124

N-end rule pathway role of arginyl-tRNA-protein transferase, 182

Nerve growth factor induction of differentiation, 6048 MAPK activation, 4209

Net protein regulation by nuclear export, 7076 Neu differentiation factor

signaling through Sp1, 1961 Neuregulin

signaling through Sp1, 1961 Neurite

outgrowth inhibition by Ral-GEFs, 1731 NeuroD1/BETA2 protein

role in insulin gene transcription and neurogenesis, 704 Neurogenesis

role of NeuroD1/BETA2, 704

Neuron activation of MAPKs and transcription factors, 136

Neuronal cell activation of c-src N1 exon splicing, 69 Fas ligand induction and apoptosis, 751 Neuron-restrictive silencer factor/REST

silencer activity, 6788

NFAT protein role in IL-2 expression, 2300

NFAT1 protein competition with VDR, 4191 interaction with Tat, 3645

NFI protein role in *CYP1A1* autoregulation, 6825 NF-κB protein

activation by LMP1, 5759
activation by mRIP3, 6500
activation in NOD mice, 8646
activation role in e-Mer signaling, 1171
binding to MHC class I enhancer, 2169
coactivators, 6367
function in growth control, 2690
induction of A1/Bfl-1 expression, 5923
involvement in apoptosis, 4653
p50-p65 recruitment, 2098
p65/RelA subunit activation, 4798
regulation of cyclin D1, 5785

regulation of IκBα promoter, 6140 ROI-dependent activation, 1950 role in Dbl and Dbs transformation, 7759 transcriptional cross talk with p53, 3485 NF-µNR protein Cux/CDP homeoprotein component, 284

NF-Y protein association with H3-H4 multimers, 8591

NGFI-A gene upregulation by COUP-TF, 2734

NIH 3T3 cell cell cycling, Ras, and cyclin D1, 4623 mTOR-p7056K-independent signaling,

Nip7 protein interaction with Nop8 and Rrp43, 1518 Nitric oxide

blockage by Bcl-2 and Bcl-X_L, 5659 NL1 and NL2 proteins

mediation of GR nuclear localization, 1025

NMD3 gene role in 60S ribosomal subunit stability, 2389

NOD mouse proteasome production and NF-κB activation defects, 8646

Non-AUG start codon role in cap-dependent human FGF-2 syn-

thesis, 505 Nonhomologous end joining activation by p53, 2594

dependence on Ku, 2585 Nop8 protein interaction with Nip7, 1518

Nopp140 protein interaction with RNA polymerase I, 8536 NORF5/HUG1 gene

NORF5/HUG1 gene role in MEC1-mediated checkpoint response, 7041

NOT proteins role in the CCR4-NOT complex, 6642 Notch protein

inhibition of MEF2C activity, 2853 role in gene expression, 5743

Nrg1 protein role in STA1 gene expression, 2044

NRIF3 protein mediation of nuclear hormone receptor specificity, 7191

NS2-specific exon inclusion in spliced mRNAs, 364

Ntg1 and Ntg2 proteins role in DNA damage repair, 3779 Nuclear body

structure and heterogeneity, 4423 Nuclear factor of activated T cells activation by VEGF, 2032

Nuclear hormone receptor coactivation by E6-AP, 1182 NRIF3-mediated specificity, 7191 repression by Alien, 3383

Nuclear import Rex, 1218 Nuclear localization

glucocorticoid receptor, 1025 Nuclear localization signal

nuclear import in the absence of importin α, 1218

role of Tat and Rev arginine-rich domains, 1210

Nuclear matrix

interactions with telomeres in A-T, 6963 Nuclear orphan receptor

GNCF DNA binding and dimerization, 690

Nuclear pore complex

Ran GTPase-dependent nuclear transporter interactions, 1547

Nuclear receptor

interaction with coactivators, 8226 signaling inhibition by PARP, 2644

Nuclear receptor coactivator functional domains, 6164 Nuclear retention element

U3 snoRNA, 8412

Nuclear transport domain RNA helicase A, 3540 Nuclear transporter

Ran GTPase-dependent interactions with NPC proteins, 1547

Nuclear-cytoplasmic trafficking role in VHL protein function, 1486

Nuclease activity of Mre11, 556

Nucleolin

complex with mRNP, 7925

Nucleolus

Nop8 role in 60S ribosome biogenesis, 1518

Nucleoporin

FG repeat specificity, 764 interactions with CRM1, 6276 interactions with nuclear transporter, 1547

Nucleosome acetylation and the yeast SAGA complex,

86 disruption in loops created by SWI-SNF,

1470 exclusion in yeast, 7661 interaction with HMG-17, 3466 interaction with Polycomb, 8451 modulation of UV photoproduct and

CPD repair, 934 remodeling by SWI-SNF, 2088

Nucleotide excision repair pathway in S. cerevisiae, 2929

Nucleus

PTC recognition, 1640

NUP98-HOXA9 protein oncogenicity mediation by FG repeats, 764

Nup124 protein

role in nuclear import and activity of Tf1, 5768

Nur protein

heterodimerization, 7549 NXT1 protein binding of Ran-GTP, 8616

OBF-1 protein transcriptional properties, 4247

Oct-1 protein influence on OBF-1, 4247

Oct-3/4 protein interaction with UTF1 regulatory element, 5453

Oct-4 protein

synergism with viral oncoproteins, 2635 Oligomerization

role of Siah-1 C-terminal sequences, 724 Oncogene

mdm2 regulation by thyroid hormone receptor, 864

Oncogenesis potential of Pax3-FKHR fusion protein, 594

Oncogenicity NUP98-HOX9, 764 Oncoprotein

E6 binding to E6TP1, 733 Oncoprotein 18/Stathmin

tubulin-directed activities, 2242

determination during oogenesis, 2505 MAPK-stimulated Mos mRNA polyadenylation, 1990

Oogenesis

histone synthesis in X. laevis, 835

Open reading frame

role in PTC interference with ESE nuclear function, 1640

Operon

SL1 trans splicing and 3'-end formation in C. elegans, 376

ORC protein

role in plasmid replication, 1226

2'-O-ribose methylation U6 snRNA, 6906

Ornithine decarboxylase degradation by the 26S proteasome, 7216

Orp1 protein

association with replication origins, 7128 Orphan nuclear receptor

Nur subfamily heterodimerization, 7549

Osmotic regulation ENAI gene, 537

Osmotic shock induction of insulin resistance, 4684

Osmotic stress

induction of gene expression in yeast, 5474

Osteocalcin

Cbfa/AML sites, 7491

Osteogenesis

role of acetylcholinesterase, 788 Oxidant

influence on Yap1 transcription activation, 8302

Oxidative phosphorylation role in Fas death signaling, 3299

p15^{Ink4b} protein

G, arrest pathway, 5913

p16 protein

CpG island methylation, 5642 role in fibroblast senescence and differen-

tiation, 2109

p16^{INK4a} protein

inhibition of CDK4- and CDK2-associated activity, 1981 mediation of p21 induction and Cdk2 in-

hibition, 3916 p20K protein

activation by C/EBPB, 5718

p21 protein

activation of Shk1, 8066

complex formation with procaspase 3, 3842

influence on cyclin D-CDK subunit arrangement, 1775

role in fibroblast senescence and differen-

tiation, 2109 p21^{WAFI/CIPI} protein

induction mediated by p16INK4a, 3916 inhibition of cyclin E-Cdk2 activity, 205 prevention of endoreduplication, 205

p23 protein

role in ER signaling, 3748 p27kip1 protein

cell-free degradation, 1190 role in cell cycle entry, 7011 suppression in macrophage development, 6229

p38 mitogen-activated protein kinase role in TGFβ signal transduction, 2322 targeting of MEF2, 4028

p38 protein

regulation of MEF2 family of transcription factors, 21

role in linkage of GPCRs to the c-jun promoter, 4289 signaling influence on Stat3 activity, 7519

P40 protein

interaction with RpS21, 2308

p42/p44 mitogen-activated protein kinase role in cell cycle exit, 2763

p50 protein

regulation of RelA subcellular localization, 7088

role in NF-kB binding to MHC class I enhancer, 2169 p50^{ede37} protein

role with Hsp90 in Raf-1 function, 1661 p50E4F protein

suppression of E1A-mediated transformation, 4739

p50-p65 protein

recruitment in fas promoter regulation, 2098

p53 protein

acetylation by PCAF and p300 as response to DNA damage, 1202

activation of c-fos, 2594 complexes with DNA, 7501 function influenced by Atm, 3095

inhibition by SV40 T antigen, 2746 inhibition of p73 function, 1438 mediation of apoptotic crisis, 4825

mRNA RNP complex formation with thymidylate synthase, 1582

mutant reactivation, 3395 nuclear accumulation, 7168 null mutation in mice, 8686

PCNA activation in irradiated cells, 12 phosphorylation at Ser-15, 2828

polymorphic variants, 1092 regulation by Ad early proteins, 3885 regulation by phosphorylation, 1751

regulation by PKR, 2475 regulation of activities, 2155

repression of AFP expression, 1279 role in G2 checkpoint maintenance, 5872

transcriptional cross talk with NF-kB, 3485 p53-responsive stress protein

Gadd45 modification of DNA accessibility, 1673 p56lck protein

role in thymocyte development, 4200

p57KIPI protein inhibitor interactions with cyclin D- and E-dependent kinases, 353

p57Kip2 protein stabilization of MyoD, 7621

P58^{IPK} protein

inhibition of apoptosis, 4757 p63 protein

implication in wheat mitochondrial transcription, 8113

p65/RelA protein activation, 4798

p68 protein activation of ERa, 5363 p70 S6 kinase regulation by PKCζ, 2921 role in translational homeostasis, 4302 p70*6k protein

role in E2F regulation, 4729

p73 protein function inhibition by p53 mutants, 1438 regulation by Ad early proteins, 3885 suppression of function by MDM2, 3257 p79 protein

complex with p96 and binding to CpGs, 7741

p79^{SoK} protein control of mRNA translation, 2485 p90^{sk} protein

regulation in early *Xenopus* development, 1427

p90%-mo-1 protein deletion mutant's loss of kinase activity, 317

p96 protein complex with p79 and binding to CpGs, 7741 p105 protein

ubiquitin-mediated processing, 3664 p107 protein

complex formation with E2F, 2936 repression of TFIIIB, 4255 p120 Ras-GTPase-activating protein

Drosophila homolog, 1928 p120^{ctn} protein

interaction with Kaiso, 3614 p125 protein

subunit nuclear import, 4935 p130 protein

repression of TFIIIB, 4255 p160 protein

functional domains, 6164 stimulation of transcription, 6085 p235 protein

expression in insulin-sensitive cells, 623 p300 protein

acetylation of p53 in response to DNA damage, 1202 coactivator function, 8123

interactions with cyclin E-Cdk2, TFIIB, and E1A, 4241

p300/CREB binding protein role of NeuroD1/BETA2 in binding, 704 PacC protein

proteolytic processing, 1390

Paf1 protein multiprotein complex role in PKC signaling, 1056

ing, 1056
Pak protein
activation and cell transformation, 1881

Pak1 protein autoinhibition and release by Cdc42, 602

Pancreas
PAX4 transcriptional repression, 8272

Pap protein Pyk2 binding and Arf-GAP activity, 2338 Papillomavirus

E6 binding to E6TP1, 733 Papovavirus

T antigen interaction with Tst-1/Oct6/ SCIP, 2455

PAR leucine zipper transcription factor TEF binding to Pol II complex, 1242 Paraflagellar rod

protein targeting and assembly in trypanosomes, 8191 Paramecium berghei ends-in recombination, 2895

Paramecium tetraurelia rDNA and the micronuclear chromosome,

7792 telomerase RNA, 2887

Parvovirus bipartite exon enhancer, 364 Pax3 protein

oncogenic potential of fusion protein with FKHR, 594

Pax4 protein role as transcriptional repressor, 8281 transcriptional repression in pancreatic development, 8272

Pax8 protein binding to rat NIS gene, 2051

Pax-Ets protein ternary complex assembly, 2231 Pbx protein

heterodimers with Hox, 8219 trimeric complexes with MEIS and HOX,

PBX2 protein complexes with HOXA9 and MEIS2, 3051 PC4 protein

AP-2 transcription and tumor suppressor role, 899

PC12 cell Ral-GEF signaling, 1731 PCAF protein

acetylation of HMG-17, 3466 acetylation of p53 in response to DNA damage, 1202 coactivation of IRFs, 1810

interactions with Tax, 8136 Pcl10 protein

targeting of Pho85, 7020 PCNA

binding to Fen1/Rad27, 5373 PDK1 protein

activation of Pkc1-MAPK pathway, 8344 PER protein

inhibition of DNA binding, 5316 Perforin disruption of protein sorting, 8604

PERIOD protein cycling suppression by *tim*^{rit}, 4343

Permease encoding by AGP1, 989

Peroxisome proliferator-activated receptor γ regulation by ADD-1/SREBP-1, 5495

Pex14 protein human, 2265

pH signaling bypass in yeast, 1390 PH domain

role in Gab1 localization and function, 1784

Phenylalanine-isoleucine role in basolateral sorting of furin, 3136 Pheromone

signaling receptor inhibition by Ste4p, 441 PHO5 gene

chromatin remodeling, 2817 Pho85 protein

targeting by Pcl10, 7020 Phorbol ester

induction of PCAF, 1810 Phosphatase

role in t-RA inhibition of JNK, 1973 Phosphatidylcholine flippase relation to drug transporter transmembrane segment, 1450
Phosphatidylinositol 3-kinase interaction with MEK, 321 mediation of cyclin D1 expression, 1346 mediation of NF-κB transactivation, 4798 role in cAMP-simulated proliferation, 5882

role in E2F regulation, 4729 Phosphatidylinositol 3-kinase/Akt upregulation of *mcl-1* gene, 6195 Phosphodiesterase 3B

regulation by Akt, 6286 Phosphoinositide 3-kinase regulation of a signaling complex, 2921 role in Ras and MAPK activation by EGF, 4279

Phosphoinositide kinase p235, 623

3-Phosphoinositide-dependent protein kinase 1

regulation of PKB, 5061

Phospholipase C role in stress-induced Ume3 destruction, 3328

Phospholipase C-γ1 SH2 domains and interaction with PDGFR, 4961

SH domain role in BCR signaling, 7388 Phospholipase Cy2

tyrosine phosphorylation, 8326 Phospholipase D effects of PKCα and PKCδ, 7672

Phospholipid binding to Dab1 PTB, 5179

Phosphorylation constitutive and Ras-inducible sites of

KSR, 229 regulation of p53 function and stability, 1751

Phosphotyrosine binding domain Disabled 1, 5179

Photoproduct bypass by XP variant cell extracts, 147

PHRI gene repression by RPHI and GIS1, 7630

Physarum polycephalum ardC actin gene, 3506 PIC-1/SUMO-1 protein

modification of PML-RARα, 5170 pICIn protein

inhibition of snRNP biogenesis, 4113 PINCH protein

interaction with ILK, 2425 Pitx2 protein

C-terminal tail function, 7001

Pkc1-mitogen-activated protein kinase pathway activation by PDK1, 8344 PKD2 protein

cellular activation, 3423 PKR protein

induction of apoptosis, 4653 regulation by L18, 1116 regulation of p53, 2475

Plasma membrane trafficking of Yor1p, 2998 translocation of RGS3, 714

Plasma membrane protein quality control in yeast, 3588

Plasmid semiconservative replication in yeast nuclear extracts, 1226

Plasmodium falciparum sexual-stage-specific promoters, 967 Platelet-derived growth factor stimulation of MCP-1 expression, 4219 Platelet-derived growth factor BB mediation of mitogenesis, 6217

Platelet-derived growth factor receptor activation of STATs, 3727 interaction with PLC-y1, 4961

Pleckstrin homology domain role in receptor-mediated endocytosis,

Plx1 protein mutation in Xenopus, 8625

PML-retinoic acid receptor a modification by PIC-1/SUMO-1, 5170

Pmt3 protein role in nuclear events, 8660

Pnt1 protein mutation and role in protein export, 6598 Podospora anserina

senescence, 4093 pol30 gene

mutation effect on replication and mismatch repair, 7801

Poly(A)

addition to pre-mRNA, 7733

Poly(A) binding protein function with mRNA stability complex, 4552

Poly(A) site cleavage-polyadenlyation apparatus assembly, 5588

Polyadenylation coupling with last-intron removal, 4971

Mos mRNA, 1990 role of CPSF, 5707 Poly(ADP-ribose) polymerase

binding with TEF-1 and MCAT1 elements, 296 cleavage by caspases, 5124

inhibition of nuclear receptor signaling, 2644

Poly(C) binding protein αCP interaction with 3'UTR, 4572 Polycistronic transcript

source of novel methylation guide snoRNAs, 1144

Polycomb protein interaction with CtBP, 777 interaction with nucleosomes, 8451 Polycomb-group protein

interaction with RING1, 57 response elements, 5189 Polynucleosome array

loop domains, 1470 Polyomavirus

middle T mutation in mice, 8169

Polypyrimidine tract recognition by U2AF65 protein, 8263 Polypyrimidine tract binding protein

regulation of exon inclusion, 78 role in α-actinin alternative splicing, 2699 Polysome

association with human Staufen-like protein, 2212

Ppz1 protein role in cell cycle regulation, 2408 pRB protein regulation of E2F activity, 3246

Pre-18S rRNA processing and role of Imp3 and Imp4, 5441

Premature termination codon interference with ESE nuclear function.

1640 Pre-mRNA

AT-AC splicing mechanisms, 3225 exonic element influence on SR substrate specificity, 1853

splicing enhancers, 261 splicing in HeLa nuclear extracts, 2782 splicing role of Spp381p, 577

splicing and Sad1p, 2008 Pre-mRNA splicing enhancer SR protein-specific sequences, 1705 cis-Prenyltransferase

role in dolichol synthesis, 471

Pre-rRNA

processing and U3 snoRNA-18S rRNA base pairing, 6012

Primase

complex with DNA polymerase a, 7886

curing role of Hsp104-Hsp70 interactions, 1325

domains in Ure2, 4516

Procaspase 3 complex formation with p21, 3842

Procyclic acidic repetitive protein α-amanitin-resistant transcription in T. brucei, 5466

Progesterone

inhibition of cell proliferation, 2251 Prohibitin

regulation of membrane protein degradation, 3435 targeting of E2F1, 7447

Proliferating cell nuclear antigen interaction with Cde24, 1038 mutation effect on replication and mismatch repair, 7801

regulation by p53 in irradiated cells, 12 Proliferation

inhibition by progesterone, 2251

Proteasome influence on centromeres and chromosome segregation, 5143 production in NOD mice, 8646

role in cell-free degradation of p27kip1, 1190

abundance correlation with mRNA abundance in yeast, 1720

Protein binding

specification of DNA demethylation sites,

Protein kinase

copurification with Pol I holoenzyme, 796 Protein kinase A

activation of PKB, 4989 phosphorylation of human ERa, 1002

regulation of cholinergic gene expression, 6788 regulation of pseudohyphal differentiation,

4874

role in cAMP-simulated proliferation. 5882

Protein kinase B

activation by PKA, 4989 effect on S6K activity and rE-BP1 phosphorylation, 4525

regulation by PDK1 and Ser473 kinase, 5061

Protein kinase B/Akt protein role in GLUT4 translocation, 4008 Protein kinase BB/Akt2 role in GLUT4 translocation, 7771

Protein kinase C

activation of IKKB, 2180

role in BK receptor-mediated MAPK activation, 5289

role in c-fos SRE activation, 1313 role in p53 nuclear accumulation, 7168 signaling influenced by Pol II-Paf1-Cdc73-

Hpr1-Ccr4, 1056 Protein kinase Ca

antagonism with PKC8, 7672

Protein kinase CB

role in SAPK activation and monocytic differentiation, 461

Protein kinase Cδ

antagonism with PKCa, 7672 mediation of MAPK activation, 4209

targeting of mitochondria and role in apoptosis, 8547

Protein kinase Cn

proapoptotic function, 5608

Protein kinase CZ

regulation of p79 S6 kinase, 2921

Protein phosphatase type 1 binding role in ADH2 expression, 6029

Protein processing

impairment in renal carcinoma cells, 1289 Protein S-thiolation

yeast GAPDH, 2650 Protein trans-acting factor

role in yeast ribosome biogenesis, 7897 Proteolysis

role of Siah-1 N-terminal RING domain,

Proteolytic cleavage role in C/EBPα regulation of C/EBPβ isoform generation, 1695

Proteolytic processing

A. nidulans PacC, 1390 Proteome

sampling in yeast, 7357

Prp1 protein transcriptional activation, 882

Pseudohypha differentiation regulation by PKA, 4874

Pseudouridine synthase Pus1p specificity for U2 snRNA and iRNA, 2142

Pseudouridylation CBF5 rRNA, 7461

U6 snRNA, 6906 [PSI] prion

formation, stability, and toxicity, 8103 Pst1 protein

role in fission yeast retroelement propagation, 2351

Pta1 protein

role in pre-mRNA cleavage and poly(A) addition, 7733

Ptp2 and Ptp3 proteins

regulation of MAPK pathway, 7651 Ptr3 protein

role in amino acid sensing, 5405 Ptx1 protein

role in LHB gene transcription. 2567 Pura protein

interaction with YB-1, 2712

Purine-rich element presence in MVM bipartite exon en-

hancer, 364 Pus1 protein

specificity for U2 snRNA and tRNA, 2142 Pyk2 protein

adhesion-dependent tyrosine phosphoryla-

tion, 4806 binding by Pap, 2338 targets related to Drosophila rdgB, 2278 Pyrimidine

biosynthetic pathway, 882

PZ120 protein trans repression of hMTIIA promoter, 680

Quiescence-responsive unit activation by C/EBPB, 5718

R deletion element role in T. thermophila DNA rearrangement, 5631

Rac GTPase suppression of Ras-induced apoptosis, 5892

Rac protein

mediation of membrane ruffling, 8158 role in R-Ras functions, 6333 signaling role in Pak activation, 1881 Rad6B protein

targeting of repressors of cAMP-induced transcription, 5001

Rad17 protein complex role in DNA damage checkpoint control, 1136

RAD27 gene deletion in S. cerevisiae, 4143 Rad27 protein

cooperation with RNase H(35), 8361 Rad50 protein

complex with Mre11 and Xrs2, 7681 Rad51 protein

caspase-mediated cleavage in apoptosis, 2986

essential functions, 6891

Raf protein

calcium-dependent activation by Ras-GRF, 4611

complementation of CSF-1R signaling and mitogenesis, 1101 cysteine-rich domain and Ras response,

6057 mediation of c-fos activation, 8052

B-Raf protein antiapoptotic activity, 5308

Raf-1 protein function influenced by p50cdc37-Hsp90 complex, 1661

tyrosine phosphorylation, 4819 RAG protein

interaction with V(D)J recombination signal sequence, 3788

RAG-1 and RAG-2 proteins dispensable portions in V(D)J recombination, 3000

DNA binding and bending, 6532 mediation of DNA hairpin opening, 4159 roles in heptamer recognition, 3674 tetramer role in cleavage, 4664

RAG-2 gene B- and T-cell-specific regulation, 2601 Ral protein

role in R-Ras functions, 6333 Ral-specific guanine nucleotide exchange factor signaling in PC12 cells, 1731

Ran GTPase role in nuclear transporter-NPC protein interactions, 1547

RanBP3 protein import by importin-α3, 8400 Ran-GTP

binding by NXT1, 8616 regulation of CRM1-nucleoporin interactions, 6276

RANTES protein transcription activation by IRF-3, 959 RAP1 protein

chromatin opening, 5279 functional regions, 7481

RAP30 protein association with Tat-SF1, 5960

RAP74 protein initiation and complex assembly, 7377 roles in initiation and elongation, 8372 Rapamycin

action in C. neoformans, 4101 role in E2F regulation, 4729

Ras family response of Raf, 6057 ras gene

induction of transformation and suppression by PC4, 899

Ras protein activation by EGF, 4279 D119N mutation, 6297 effector opposition in PC12 cells, 1731 induction of apoptosis, 5892 induction of KSR phosphorylation sites, induction of transformation, 3857 interaction with Ajuba, 4379 mediation of c-fos activation, 8052 role in cycling cells, 4623

role of pRb in activation, 7724 signaling role in Pak activation, 1881 R-Ras protein

role in transformation, adhesion, and survival, 6333 Ras2 protein

localization and palmitoylation, 6775 Ras/cyclic AMP pathway induction of yeast invasive growth, 7529

RasGAP protein Drosophila p120 Ras-GAP homolog, 1928 Ras/mitogen-activated protein kinase

targeting of ERF, 4121 Ras-NFIL4 (E4BP4) protein prevention of apoptosis, 2754

Ras/Rac1 protein mediation of p38 and JNK signaling, 7519 Rat-1 cell

Pak protein kinase activation, 1881 Rat1 protein

processing of snoRNAs, 1144 Rb gene

repression during erythroid differentiation,

Rb protein inhibition of TAF_{II}250 kinase, 846 interaction with cyclin A1, 2400 targeting of E2F1, 7447

RbAp48 protein connection with SIN3, RPD3, and histone H4, 5847

RBP1 protein recruitment of HDAC repression to RB proteins, 6632

RBP9 protein role in germ cell differentiation, 2505 Reactive oxygen intermediate role in NF-κB activation by IL-1β, 1950

role in Pol I termination, 7357

Rec8 protein

conservation in fission yeast and humans, 3515

Receptor

inhibition mediated by Ste4p, 441 Receptor-interacting protein interaction with LMP1, 5759

Receptor-interacting protein 3 role in apoptosis and NF-kB activation, 6500

Receptor tyrosine kinase c-Mer signaling in hematopoietic cells, Recombination

P. berghei, 2895 pathway in S. cerevisiae, 2929

Recombination signal sequence

HMG1- and HMG2-facilitated binding, 6532

Redox induction of apoptosis, 3145

Reg1 protein role in ADH2 expression, 6029

v-Rel protein transactivation domain, 307 RelA protein

regulation of subcellular localization, 7088 RelB protein

modulation of IκBα stability, 7688 Renal carcinoma cell

HGF/SF-induced invasion and branching morphogenesis, 5902 impaired protein processing and VHL

protein, 1289 Replication

induction of mutator phenotype, 1126

Replication factor C interaction with Cdc24, 1038

Replication origin activation in yeast, 6098 association with Orp1 and Mcm6, 7128

function in fission yeast, 6699 insertion in a human YAC, 4231

Repressosome role in MCP-1 regulation, 4219 RER2 gene

role in dolichol synthesis, 471 REST4 protein

silencing of NRSF/REST silencer activity, 6788

Retinoblastoma protein disruption and lens development inhibi-

tion, 6458 inactivation in macrophage development,

6229 phosphorylation by cyclin-cdk complexes, 1068

recruitment of HDAC repression, 6632 role in Ras activation, 7724

Retinoic acid inhibition of JNK, 1973

Retinoic acid receptor responses to ligands, 3073

Retinoic acid receptor a403 dimerization with RXR, 3372

Retinoic acid-dependent nuclear complex interactions with CRABPII, 7158

Retinoid X receptor dimerization with RARa403, 3372 interaction with TAF_{II}, 5486 regulation of RAR responses to ligands, 3073

XXXX

Retinoid X repressor

helix 12 role in regulating repression,

Retrotransposon

telomeric HeT-A and TART, 873 Ty5 cDNA recombination with silent chromatin substrates, 484

Retrotransposon Tf1

nuclear import and activity, 5768

Rev protein

NLS function, 1210

Rex protein

nuclear import, 1218

RFX protein

regulation of IL-5Ra promoter, 3940 RGS3 protein

inhibition of G protein-mediated signaling, 714 translocation to plasma membrane and

 $G\alpha_{11}$ binding, 714

Rho exchange factor

Lbc activation by C-terminus truncation. 1334

Rho protein

signaling role in Pak activation, 1881

Rho3 protein

interaction with Myo2 and Exo70, 3580

RhoB protein

mediation of growth inhibition by FTIs.

Ribonucleoprotein

complex formed by thymidylate synthase and p53 mRNA, 1582

Ribosomal DNA

repeat expansion and contraction, 8559 rolling circle and the micronuclear chromosome, 7792

silencing and chromatin factors, 3184 Ribosomal pausing

role in translational regulation, 807

Ribosomal protein

synthesis repression, 5393

Ribosomal protein L3 mutants and translational fidelity, 384

Ribosomal protein \$14

binding to RPS14B pre-mRNA and 18S

rRNA, 826 Ribosomal S6 kinase-p90^{rsk} protein regulation in early Xenopus development,

1427 Ribosome

association with deadenylation, 889 biogenesis in yeast, 7897

RING domain

role in proteolysis, 724

RING1 protein

PcG protein interaction and tumorigenic activity, 57

RK3E protein

neoplasmic transformation by β-catenin, 5696

Rlk/Txk protein

two isoforms activated by Src family kinases, 1498

RNA

3'-end processing in kinetoplastids, 1595

RNA helicase A

nuclear transport domain, 3540

RNA polymerase

switch in yeast rDNA transcription, 8559

RNA polymerase I

interaction with Nopp140, 8536 transcription termination, 7357

Xenopus holoenzyme, 796

RNA polymerase II

activator binding module, 2967

CA150-regulated elongation, 4719 complex binding to TEF, 1242

DNA damage-induced degradation, 6972 elongation suppression by hnRNP U, 6833

holoenzyme association with MCM proteins, 6154

interaction with Rpb7, 2672

multiprotein complex role in PKC signaling, 1056

quantitation in HeLa cells, 5383

Rpb4 subunit, 7511

suppression of UV photoproduct and CPD repair, 934

transcription complex assembly, 2613 transcription from the U1 snRNA promoter, 2130

transcriptional activation by Mediator proteins, 979

RNA polymerase III

chromatin-mediated repression of transcription, 1605

interaction with TFIIIC, 4944

interaction with TFIIIC90, 7697

TFIIIB repression by p107 and p130, 4255 transcription activation in SV40-transformed cells, 4927

RNA recognition motif

presence in Gbp1, 923

role in SR protein substrate specificity determination, 1853

RNase III

processing of snoRNAs, 1144

RNase H(35)

role in RNA primer removal, 8361

Rnt1 protein

processing of snoRNAs, 1144

ROD1 gene

differentiation regulation in mammals,

α1(I) collagen gene silencing, 274 Rough endoplasmic reticulum

association with human Staufen-like protein, 2212

Rpb1 protein

DNA damage-induced degradation, 6972 Rpb4 protein

influence on Rpb7 function, 2672 role in S. pombe cell viability, 7511

Rpb7 protein

interaction with Pol II, 2672

RPD3 protein

connection with SIN3, RbAp48, and histone H4, 5847

RPH1 gene

repression of PHR1, 7630

Rpn3 protein

role in cell cycle control, 6872

Rpn9 protein

role in 26S proteasome assembly, 6575 RPS14B gene

pre-mRNA binding by rpS14, 826

RpS21 protein

interaction with P40, 2308

rRNA gene

α-amanitin-resistant transcription in T. brucei, 5466

chromatin structure in yeast, 4953

Rrp43 protein

interaction with Nip7, 1518

Rsa1 protein

role in 60S ribosomal subunit assembly, 8633

Rsp5 protein

functional domains, 342 mediation of Pol II degradation, 6972

H-Ryk protein

catalytic impairment, 6427

S phase

completion dependence upon Cdc24, 1038 hepatocyte entry in mice, 8570 induction by E2F, 6379

initiation and checkpoint control in S. pombe, 5535

\$6 kinase

activity influenced by PKB, 4525

S100B protein

role in p53 nuclear accumulation, 7168

Saccharomyces cerevisiae

al and a2 homeodomain proteins, 585

ADA complex, 6621

amino acid signaling, 989

ARS activity, 7428 CBF5 gene, 7461

Cdc4, 5512

Cdc28 control of filamentous growth, 1369

Cerlp role in ER, 5298

correlation between protein and mRNA

levels, 1720

Ctk2, 2527

CUPI gene transcriptional activation,

DNA damage checkpoint pathway, 1136 DNA repair genes, ERC formation, and

life span, 3848

DOT4 gene, 6608

eIF4A-eIF4G interaction, 5557 eIF6, 1416

Elm1 kinase, 7983

ENA1 gene, 537

ETHI gene, 1800 exonucleases in mismatch repair, 2000

formin Bni1, 8016

frameshift mutations, 4766 Gal3-Gal80-Gal4 transcription switch,

Gal4p and Bicoid binding to nucleosomal sites, 2977

GAPDH S-thiolation, 2650 GCD14 role in initiator methionyl-tRNA maturation, 4167

Gpa2 control of Ime2 activity, 6110 Grx5 and oxidative damage protections,

8180 Hap1 heme regulation, 4324

HMRa, 7944 hpr1 \Delta synthetic lethality with acc1 alleles,

3415

HSF trans-activation domain, 402

Hsl7 and Cdc28, 7123 Hsp40 Sis1, 7751

HSP82 promoter binding to HSF, 1627 Hsp104-Hsp70 interactions in prion cur-

ing, 1325

ion homeostasis and salt tolerance, 3328 Kar4 protein and karyogamy, 817

killer virus loss and RPL3 mutants, 384 Kii.28 phosphorylation, 4774

late-S-phase-specific genes, 3312 Mdj1p, 8201

Mediator complex activator binding module, 2967

Mediator protein requirement for Pol II activation, 979

meiotic recombination domains, 4832 meiotic recombination and gene expression, 7661

Mid2 and cell wall stress signaling, 3969

Mre11 protein, 556

Mre11-Rad50-Xrs2 complex and DSB repair, 7681

mRNA turnover, 5247

MSH2 mutations and mismatch repair,

Nip7-associated proteins, 1518 NMD3 gene, 2389

NORF4/HUG1 and checkpoint response,

Ntg1 and Ntg2, 3779

nuclear cap-binding complex, 6543

osmoregulation, 5474

overlapping pathways in DNA damage

repair, 2929 PDK1 and Pkc1-MAPK pathway, 8344 Pho85 and Pcl10, 7020

plasmid replication in nuclear extracts, 1226

Pnt1 protein, 6598 Pol I termination, 7369 pol30 mutations, 7801

proteolytic processing and pH signaling, 1390

proteome sampling, 7357

Prp1, 882

pseudohyphal differentiation, 4874

pseudouridine residues in UsnRNAs, 2142

Ptp2 and Ptp3, 7651

quality control of plasma membrane proteins, 3588

RAD27 mutants, 4143

RAP1 chromatin opening, 5279 Rap1 functional regions, 7481

Ras2 localization and palmitoylation, 6775 Ras/cAMP pathway, 7529

rDNA chromatin structure, 4953

Reg1 protein, 6029

repression of ribosomal protein synthesis, 5393

RER2 gene, 471 response to volatile anesthetics, 8254

Rho3 effectors, 3580 ribosomal protein S14, 826

ribosome biogenesis, 7897 RNase H(35) role in RNA primer re-

moval, 8361 Rpb1, 6972

Rpn3 role in cell cycle control, 6872

Rpn9 and 26S proteasome, 6575 Rsp5 protein, 342, 6972

SAGA complex organization, 86 silent DNA replication origins, 6098

Sit4 and Ppz1, 2408

SNM1 gene and MRP, 7857

snoRNA processing by Rnt1 and Rat1, 1144

snRNP assembly factors, 2008 Ssb influence on [PSI] prion, 8103 Ssyl and Ptr3 role in amino acid sensing,

5405 STA1 gene expression, 2044

stability of fragile X (CGG), repeat, 5675 Start transcription regulation by Stb1,

5267

Std1 and Mth1, 4561 Ste4p G_B subunit, 441

Ste18 dual lipid modification, 7705

Swe1 degradation by Hsl1 and Hsl7, 6929 Swi4 regulation, 6729

SWM1 and spore wall assembly, 2118 TCA gene expression, 6720

telomere length counting machinery, 31 telomere length regulation by TLC1, TEL1, and MEC1, 6065

telomere recombination and maintenance, 8083

TFIIA-stimulated TBP-TATA interaction. 2846

TFIIC subunit role in TBP recruitment, 8042

TFIIIB-DNA complexes, 5218 transcriptional induction, 3360

Ty5 cDNA recombination and silent chromatin, 484

UAF and rDNA transcription, 8559 Ume3 destruction, 3338

Upf protein effects on transcriptome, 6710 Upf1 relation to SMG-1, 5943

UV photoproduct and CPD repair, 934 VSM1 gene, 4480

Xrn1 protein, 5930 Yap1, 8302

Yor1 protein trafficking, 2998 Sad1 protein

role in pre-mRNA splicing, 2008 SAG protein

protection against redox-induced apoptosis, 3145

SAGA complex organization in S. cerevisiae, 86

Salt tolerance

S. cerevisiae, 3328 SAP proteins

presence in U2 snRNP complex, 6796 SATB1 protein

interaction with CDP, 4918

SCAN box

role in protein-protein interactions, 8526 Scanning arrest

role in translational regulation, 807

Scd2 protein binding and regulation of Shk1, 8066

SCF complex

component Skp1 regulation of cyclin A-Cdk2, 635

Schizosaccharomyces pombe

aberrant replication-induced mutator phenotype, 1126

cdc5p, 5352

Cdc24 role in S phase, 1038

dim1+ gene, 2535

DNA damage and replication checkpoints, 7410

him1⁺/dfp1⁺ role in S phase, 5535 msh2 gene, 241

nrd1+ gene, 3829

Nup124, 5768 Orp1 and Mcm6 association with replica-

tion origins, 7128 Pol II Rpb4 subunit, 7511

proteasomes, centromeres, and chromosome segregation, 5143

Rec8p conservation, 3515 replication origin function, 6699

Shk1 binding and regulation by Scd2,

SUMO-1 homolog Pmt3, 8660

Tf1 propagation, 2351

transcriptional pause elements, 1251

Tup1 homolog, 8461

Uve1-mediated mismatch repair, 4703

SCL protein

mutation in transgenic mice, 5025

SDF-2 protein

induction of D. discoideum differentiation, 4750

Sea urchin

late H1 gene activation, 3685 SpEts4, 1271

SEF-2 protein

activation of somatostatin receptor II, 3736

Senescence

induction by MORF 4, 1479

ring assembly and Hsl7, 7123

Ser473 kinase regulation of PKB, 5061

Serine-rich domain

role in v-Rel activities, 307

Serum response element

activation and role of PKC, 1313 Cas-mediated activation by Src, 6953 gene induction in cardiac myocytes, 1841

Serum response factor expression activated by bFGF, 3977

gene regulation, 4582

Sex-lethal gene uncoupling of functions, 3018

Sexual development

cell differentiation in S. macrospora, 450

Sexual stage specific promoters in P. falciparum, 967

SF-1 protein

role in LHB gene transcription, 2567

presence in 5' inositol phosphatase, 1081 role in PLC-y1 function and interaction with PDGFR, 4961

SH3 domain

deletion role in Abl disease, 6918

SH3P7 protein

role in signaling from lymphocyte antigen receptors, 1539

Shc protein

expression in transgenic mice, 8169

SHIP protein

expression inhibition by BCR/ABL, 7473 Shk1 protein

binding and regulation by Scd2, 8066 SHP-1 protein

role in TCR signal transduction, 2903

SHP-2 protein regulation of gp130 signals, 5326 regulation of integrin signaling, 3205

role in cell motility, 3125

role in Jak/STAT pathway, 2416

Siah-1 protein RING domain role in proteolysis, 724

Simian virus 40 DNA replication stimulated by human

topo I, 1686 T antigen inhibition of p53, 2746

T-antigen-associated kinase, 2791 transformation effect on Pol III transcrip-

tion, 4927 SIN3 protein

connection with RPD3, RbAp48, and histone H4, 5847

Single-stranded DNA accumulation in RAD27 mutants, 4143 binding by Gbp1, 923

c-sis gene

mRNA cis elements, 5428

Sis1 protein

specificity in yeast, 7751

Sister chromatid exchange

mediation by homologous recombination, 5166

Sit4 protein

role in cell cycle regulation, 2408

Six protein

cooperation with Eya, 6815

Skeleton

α-actin promoter DNA methylation, 164 development in matrilin 1 knockout mice, 7841

SKN-1 protein

amino-terminal arm, 3039

Sko1 protein

HOG-dependent osmotic regulation of ENA1, 537

Skp1 protein

interactions with Cdc4 F box, 1759 regulation of cyclin A-Cdk2, 635

Skp2 protein

regulation of cyclin A-Cdk2, 635

SLI

trans splicing and 3'-end formation, 376

SL1 leader length and sequence requirements in C.

elegans, 1892 SL1 protein

binding to UBF, 2872 complex with UBF, 2791

Sm protein

role in spliceosomal U snRNP core assembly, 6554

Smad3 protein

role in TGF-β-mediated signal transduction, 2495

Smad3-Smad4 complex

role in TGF-β regulation of c-Jun, 1821

Small nucleolar RNA

box H/ACA domain, 567

processing by Rat1 and RNase III, 1144 SMC protein

interaction with Hec1, 5417 SMG-1 protein

role in mRNA surveillance, 5943

v-SNARE protein

regulation by Vsm1, 4480 SNF2/SWI2 protein family

MOT1 testing for DNA tracking, 412 SNM1 gene

role in plasmid segregation, 7857

snRNP

assembly factor screen, 2008 biogenesis inhibition by pICln, 4113 U4/U6.U5 association with Spp381p, 577

SOCS-3 protein IL-2 response, 4980

Sodium/iodide symporter gene regulation by Pax8, 2051

Somatostatin receptor II activation by MIBP1 and SEF-2, 3736

Sordaria macrospora

ATP citrate lyase, 450

SOX protein

mechanism of regulatory target selection, 107

Sox-2 protein

interaction with UTF1 regulatory element, 5453

Sp1 protein

binding to Sp1, 5504

effect on C/EBPα gene promoter, 4855 interaction with bHLH proteins, 2577 phosphorylation and activation by NDF,

1961

regulation of IκBα promoter, 6140 role in COUP-TF upregulation of NGFI-A gene expression, 2734

Sp140 protein characterization, 4423

Spermatid

mRNA assembly into mRNP particles, 3904

SpEts4 protein

identification with hatching enzyme promoter, 1271

Sphingolipid

role in cell survival, 7176

Spi-1/PU.1 protein interaction with IE2, 6803 regulation of Fli-1, 121

Spindle

mitotic disruption and endoreduplication, 205

Spliced leader

RNA 3'-end processing in kinetoplastids, 1595

Spliceosome

maturation-defective mutant rescue by Spp381p, 577

Splicing

influence on arginyl-tRNA-protein transferase, 182

substrate specificity of SR proteins, 1853 Splicing enhancer

Splicing ennancer

human β-globin, 261 SR protein-specific sequences, 1705

SR protein-specific sequences, 170 Splicing enhancer complex activation of *c-src* N1 exon, 69

Spore

wall assembly in *S. cerevisiae*, 2118 Spp381 protein

rescue of spliceosome maturation-defective mutant, 577

SPT5 protein

association with Tat-SF1, 5960

SR protein

modulation by Clk/Sty, 6991 role in 5' or 3' splice site activation, 7347 specific binding by splicing enhancers, 1705

splicing substrate specificity, 1853

Src family kinase

activation of Rlk/Txk isoforms, 1498 c-src gene

N1 exon splicing activation in neuronal cells, 69

Src homology domain function in PLC-y1, 7388

Src protein

Cas-mediated activation of SRE, 6953 induction of Stat3 transcription, 7519 c-Src protein

inhibition by 5'-AMP and small HSPs, 6858

v-Src protein complementation of CSF-1R signaling and mitogenesis, 1101 SRC1 protein

interaction with AR, 8383 interaction with VDR, 1049

SSAP protein

phosphorylation patterns during embryogenesis, 3684

Ssb protein

influence on [PSI] prion, 8103

SSY1 gene

role in AGP1 transcriptional induction, 989

Ssyl protein

role in amino acid sensing, 5405

STA1 gene

glucose repression, 2044

Start

transcription regulation by Stb1, 5267

STAT protein

activation by PDGFR, 3727

activation and gene regulatory function, 2913

Stat1 protein

linker domain role in IFN-y-driven transcription, 5106 regulation of MHC CIITA promoters, 431

Stat3 protein

activation by v-Eyk, 1401

interaction with c-Jun, 7138

Src-induced transcriptional activity, 7519

STAT5 protein

phosphorylation suppression by SOCS-3, 4980

promoter recruitment and tetramerization, 1910

suppression in CIS1 transgenic mice, 6396 Stat6 protein

influence on IL-4-induced genes, 7164

Staufen protein

intracellular localization, 2212

Stb1 protein

regulation of transcription at Start transition, 5267

Std1 protein

interaction with glucose sensors, 4561 Ste4 protein

G_β subunit mediation of receptor inhibition, 441

Ste18 protein

dual lipid modification, 7705

Stem-loop binding protein

binding to histone mRNA, 835 role in histone pre-mRNA processing,

3561 Steroid 15α-hydroxylase

regulation by DBP, 6488 Sterol regulatory element binding protein 1 regulation of PPARy, 5495

Stress

regulation of ENA1 gene, 537

Stress-activated protein kinase activation regulated by PKCB, 461

Stress-activated signal transduction role in IL-8 synthesis, 6742

Strongylocentrotus purpuratus SpEts4, 1271

Structural integrity SAGA complex, 86

su(Hw) insulator disruption of enhancer-promoter interac-

tions, 3443

Survival factor human FGF-2 isoform, 505 withdrawal role in JNK activation, 751 Swe1 protein degradation by Hsl1 and Hsl7, 6929 inhibition of Cdc28, 5981 Swi4 protein

regulation and DNA binding, 6729 SWI-SNF complex

BAF155 and BRG1 interactions with cyclin E, 1460 creation of loops in DNA and polynucleo-

some arrays, 1470 remodeling of tailless nucleosomes, 2088

SWI-SNF protein

BRG1 repression of c-fos transcription, 2724

SWM1 gene

role in S. cerevisiae spore wall assembly, 2118

T cell

development and malignancy in SCL LMO1 transgenic mice, 5025 RAG-2 promoter regulation, 2601

t(12:21)

fusion protein involving TEL and AML-1, 6566

t(8;21)-positive leukemia role of AML1-MEF interactions, 3635 TAF_{II}28 protein

interactions with TBP, 5050

TAF_{II}40 protein encoding by e(y)1 gene, 3769

TAF_{II}55 protein interaction with VDR, TR, and RXR, 5486

TAF_{II}250 protein kinase inhibition by Rb, 846

TAK1 protein role in cardiomyocyte differentiation, 7096

TALE protein complex with Hox, 5134 TANK protein

potentiation of TRAF-mediated SAPK activation, 6665

TAP protein import and export signals, 6306

Target selection SOX protein, 107 TART retrotransposon

transcription, 873 Tat protein

activation of HIV-1 transcriptional elongation, 2863

interaction with NFAT1, 3645 NLS function, 1210

rescue of function by cyclin T1, 4592

TATA binding protein association with TAF_{II}250, 846 defect for TFIID complex formation, 3951 function influenced by TFIIA, 8673 interaction with TATA, 2846 interaction with the yeast SAGA complex,

interactions with hTAF_{II}28, 5050 MOT1-influenced distribution, 2835 recruitment by TFIIC, 8042 role in embryonic activation, 7972

TATA binding protein-interacting protein 120

stimulation of transcription, 7951 TATA binding protein-related protein inhibition of transcription, 7610

TATA box interaction with TBP, 2846 role in CA150 regulation of Pol II elongation, 4719

Tat-SF1 protein association with RAP30 and SPT5, 5960 τ60 protein

role in TBP recruitment, 8042 Tax protein

interactions with PCAF, 8136

TC10 GTPase

binding by Borg proteins, 6585 T-cell antigen receptor signal transduction pathway, 2903

T-cell factor β1 regulation by Jun kinase, 2021

T-cell receptor α chain LCR activity, 1901 Tcf/Lef proteir

role in RK3E transformation, 5696

TEL protein

contribution to t(12;21) fusion protein, 6566

TEL1 gene

interactions with TLC1 and MEC1, 6065

Telomerase activity in A. suum, 3457 assembly with hTERT, 6207 P. tetraurelia, 2887 RNA box H/ACA domain, 567 role in escape from crisis, 1864 template RNA levels, 3989

Telomerase-induced extended-life-span fibroblast

p53-dependent G1 checkpoint, 2373

Telomere

clustering influenced by Atm, 5096 interactions with nuclear matrix in A-T,

length counting machinery and nontelomere junction, 31

length regulation by TLC1, TEL1, and MEC1, 6065 maintenance role of Mre11, 556

recombination and maintenance in yeast, 8083

ssDNA binding by Gbp1, 923 transposable elements HeT-A and TART,

Telomere-nontelomere junction effect on telomere length counting machinery, 31

Telomeric repeat destabilization in RAD27 mutants, 4143

Template activating factor I decondensation of sperm chromatin, 6940 Tetradecanoyl phorbol acetate

induction of uPA, 6240 12-O-Tetradecanoylphorbol-13-acetate induction of SAPK activity, 461

Tetrahymena thermophila DNA rearrangement, 5631 group I intron catalytic efficiency, 6479 H2A/H4 nucleosomal HAT, 2061 HP1-like protein, 3624

Tetramerization role in Stat5 promoter recruitment, 1910

Tetratricopeptide repeat protein inhibition of apoptosis, 4757 Tfl retrotransposon

propagation in fission yeast, 2351 Thapsigargin

role in NO generation, JNK activity, and apoptosis, 5659

Thymidylate synthase RNP complex with p53 mRNA, 1582 Thymocyte

development in CD45-deficient mice, 4200 Thyroid embryonic factor

binding to Pol II complex, 1242 Thyroid hormone

regulation of mtRNA synthesis, 567 Thyroid hormone receptor interaction with TAF_{II}, 5486

regulation of mdm2, 864 TIF2 protein interaction with VDR, 1049

TIM protein inhibition of DNA binding, 5316

effect on circadian period, 4343

stimulation of transcription, 7951

Tissue-specific element regulation of N-myc expression, 155

TLC1 gene interactions with TEL1 and MEC1, 6065

Tmp gene targeting by c-Myc, 3529

Topoisomerase I stimulation of SV40 DNA replication, 1686

Topoisomerase IIα activation by ERK, 3551

TOR kinase complex with rapamycin, 4101

TRADD protein interaction with LMP1, 5759

trans element

role in C. fasciculata gene regulation, 6174 trans repression

human metallothionein IIA gene promoter, 680

trans splicing C. elegans SL1 leader, 1892 C. elegans SL1-type operon, 376

trans-acting factor role in yeast ribosome biogenesis, 7897 trans-activation domain

veast HSF, 402 Transcription enhancer factor 1 binding with PARP and MCAT1 elements, 296

Transcription factor gene induction in cardiac myocytes, 1841 neuronal activation, 136

Transcription factor IIA role in Pol II transcription, 2130 role in TBP function, 8673 stimulation of TBP-TATA interaction, 2846

Transcription factor IIB interactions with p300, 4241 role in Pol II transcription, 2130

Transcription factor IIC 760 role in TBP recruitment, 8042 Transcription factor IID

complex formation defect in TBP, 3951 Transcription factor IIE

role in Pol II transcription, 2130 Transcription factor IIF

RAP74 subunit, 7377, 8372 role in Pol II transcription, 2130

Transcription factor IIH Kin28 phosphorylation by Cak1, 4774 mediation of Pol II CTD phosphorylation, 6833

role in promoter melting, 5652

Transcription factor IIH kinase role in HIV-1 transcriptional elongation, 2863

Transcription factor II-I regulation by Btk, 5014 Transcription factor IIIB

complexes with DNA, 5218 interaction with TFIIIC, 4944 repression by p107 and p130, 4255

Transcription factor IIIC role in Pol III transcription and HAT ac-

tivity, 1605 subunits TFCIIIC102 and TFIIIC63, 4944 Transcription factor IIIC90

interaction with Pol III machinery, 7697 Transcriptional pause element

S. pombe, 1251 Transcriptome

influence of Upf proteins, 6710

Transforming growth factor β downregulation of Myc, 5913 mediation of signal transduction, 2495 regulation of c-Jun, 1821 regulation of MHC CIITA promoters, 431 repression of cdc25A, 916 signal mediation by FAST-2, 424 superfamily signal transduction, 2322

Transforming growth factor β1 effect on tropoelastin expression, 7314 induction of growth arrest, 3654

Transgene induction of rodent a1(1) collagen gene

silencing, 274 mouse λ5-V_{preB1} LCR arrangement, 671

Translation initiation factor role in mRNA turnover, 5247 Translation initiation factor 6

S. cerevisiae homolog, 1416 Translational fidelity

alteration in RPL3 mutants, 384 Translational regulation

ribosomal pausing and scanning arrest roles, 807

Translesion synthesis impairment in XPV extracts, 2206 pathway in S. cerevisiae, 2929

Transmembrane glycoprotein binding to Dab1 PTB, 5179 Transmembrane segment

multidrug transporter, 1450 Tricarboxylic acid cycle

gene expression in yeast, 6720 Trichomonas vaginalis

Inr promoter element, 2380 Triiodothyronine

receptor role in mtRNA synthesis, 7913 Tristetrapolin

role in TNF-α mRNA breakdown, 4311 Trithorax

interaction with ASH1, 6441 trithorax group

moira gene in D. melanogaster, 1159 Trithorax-group protein

response elements, 5189 Trk1-Trk2 potassium transporter modulation by Hal4 and Hal5, 3328

import into T. brucei mitochondria, 6253 Pus1p specificity, 2142

Tropoelastin posttranscriptional regulation, 7314 Troponin I slow gene fiber-type specific transcription, 515

Trvpanosoma brucei α-amanitin-resistant transcription, 5466

H⁺-pyrophosphatase, 7712 paraflagellar rod, 8191 tRNA mitochondrial import, 6253

Trypanosome antigenic variation mechanisms, 5839

Tst-1/Oct6/SCIP protein interaction with T antigen J domain, 2455 Tubulin

direction of Op18 activities, 2242 Tumor

p53 mutants, 1438 Tumor necrosis factor alpha mediation of apoptosis, 4757 suppression in fibroblasts, 7688

TTP-induced mRNA breakdown, 4311 Tumor necrosis factor receptor-associated factor mediation of SAPK activation, 6665

Tumor suppressor PC4 role, 899 Tumorigenesis

activity of RING1, 57 induction by VASP deficiency, 3696

Tumorigenicity regulation by EBV in BL, 1651

Tup1 protein S. pombe homolog, 8461

Tyl element retrotransposition, 6260 Ty5 retrotransposon

cDNA recombination with silent chromatin substrates, 484

Tyrosine kinase

Rlk/Txk activation by Src family kinases, 1498

U snRNP

spliceosomal core assembly, 6554 U1 small nuclear RNA

transcription of Pol II, 2130 U2 small nuclear RNA

Pus1p specificity, 2142 U2 snRNP

complex containing SAPs 49, 130, 145, and 155, 6796 U2AF³⁵ protein

substrate-specific function, 8263

U2AF65 protein

polypyrimidine tract recognition, 8263

U2ΔE4 protein

abrogation of E-box activity, 4788 U3 small nucleolar ribonucleoprotein Imp3 and Imp4 role in pre-18S rRNA

processing, 5441 U3 small nucleolar RNA

base pairing to 18S rRNA, 6012 nuclear retention elements, 8412

U4/U6.U5 snRNP association with Spp381p, 577 U5 small nuclear RNA

loop I role in splicing, 2782 U6 small nuclear RNA

pseudouridylation and 2'-O-ribose methylation, 6906

U7 snRNP

binding to histone pre-mRNA, 3561 UAF protein role in yeast rDNA transcription, 8559 **Ubiquitin**

mediation of p105 processing, 3664 role in yeast response to anesthetics, 8254

Ubiquitin-proteasome pathway degradation of Ctk2, 2527 Ubiquitin-protein ligase

Rsp5 functional domains, 342 UBP43 protein

role in hematopoietic cell differentiation,

Ultrabithorax gene bxd region, 6441 TREs and PREs, 5189

Ume3 protein stress-induced destruction, 3328 Upf protein

effects on yeast transcriptome, 6710 Upstream binding factor

binding to SL1, 2872 complex with SL1, 2791

Upstream regulatory factor regulation of MHC class I expression, 4788

Upstream repressing sequence

ENAI gene, 537 Ure2 protein

prion-inducing regions, 4516

Urogenital system control elements in the GATA-3 locus,

Urokinase-type plasminogen activator

induction by IL-1 and TPA, 6240 USF protein

cell proliferation and transcription activation role, 1508

competition with Myc, 8393 Uterine epithelial cell

proliferation inhibition by progesterone, 2251

UTF1 protein

regulatory element interaction with Oct-3/4 and Sox-2, 5453

effect on Net repressor, 7076 induction of (6-4) photoproducts, 934 mutation induction in XP, 147

UV irradiation activation of JNK1, 1768 Uvel protein

mediation of mismatch repair, 4703

Variant surface glycoprotein α-amanitin-resistant transcription in T. brucei, 5466 Vascular endothelial cell

confluence induction of cell cycle exit,

Vascular endothelial growth factor activation of NFAT in HUVECs, 2032

Vasodilator-stimulated phosphoprotein role in reversible tumorigenesis, 3696 Vav protein

pathway inhibition by hSiah2, 3798 Vav-3 protein

biological and regulatory properties, 7870 V(D)J initiation complex

assembly and roles of RAG-1 and RAG-2, 3674

V(D)J recombination cleavage role of RAG1 and RAG2 tetramer, 4664 coding end sequence effects, 8094 regulation by transcriptional promoters,

roles of RAG-1 and RAG-1 dispensable portions, 3000

RSS-RAG interactions, 3788

Vertebrate

Polycomb protein interaction with CtBP,

oncoprotein synergism with Oct-4, 2635 Vitamin D

analog OCT induction of VDR-coactivator interaction, 1049

influence on transcription, 7491

Vitamin D receptor

interaction with transcriptional coactivators, 1049 interactions with NFAT1 and c-Jun, 4191

Vitamin D₃

repression of GM-CSF gene, 4191

Vitamin D₃ receptor interaction with TAF₁₁, 5486

Voltage-gated ion channel

pre-mRNA splicing and conservation of minor introns, 3225

von Hippel-Lindau gene

regulation of RCC invasion and branching morphogenesis, 5902

von Hippel-Lindau protein nuclear-cytoplasmic trafficking, 1486 protection against impaired protein processing, 1289

VPS16 gene role in mRNA stability, 7568

VSG gene

conversion in African trypanosomes, 5839 VSM1 gene

regulation of exocytic v-SNAREs, 4480

Wheat

mitochondrial transcription, 8113

Winged-helix protein

FAST-2 mediation of TGF-B signals, 424

Wingless protein role in gene expression, 5743

Wnt protein

regulation by Axin, 7147 Wortmannin

inhibition of UV activation of JNK1, 1768

WT1 protein regulation of Dax-1 expression, 2289

wt-l/egr protein relation to AP-2rep, 194

X protein

association with InBa, 6345

Xenopus laevis

Ajuba-promoted meiotic oocyte maturation, 4379

CPSF role in polyadenylation, 5707

early development and p90°sk, GSK-3, and β-catenin, 1427

extrachromosomal circular DNA formation, 6682

MAPK-stimulated Mos mRNA polyadenylation, 1990

mtDNA polymerase γ, 4039 p79^{S6K} control of mRNA translation, 2485 Plx1 mutant, 8625

Polycomb homolog XPc1, 3958

RNA polymerase I holoenzyme, 796 SIN3-RPD3-RbAp48-histone H4 connection, 5847

SLBP binding to histone mRNA, 835 TBP and embryonic activation, 7972

Xeroderma pigmentosum group G gene, 2366

translesion synthesis, 2206 variant cell extract bypass of photoproducts, 147

Xist gene

regulation by DXPas34, 8513 X-inactivation centers, 3156

XPc1 protein

transcriptional repression, 3958

deficiency effects in mice, 2366

Xrn1 protein

role in meiosis, 5930

Xrs2 protein

complex with Mre11 and Rad50, 7681

Yap1 protein

activation of transcription, 8302

YB-1 protein

interaction with Pura, 2712

Yeast artificial chromosome human CTG repeat tract instability, 4153

human replication origin role, 4231 Xist transgenes, 3156

Yin Yang 1 protein

role in early embryogenesis, 7137

Yorl protein

plasma membrane trafficking, 2998

ZAP-70 protein

interdomain B role in signaling in lymphocytes, 948

negative regulation by c-Cbl, 6652

ZEB protein

repressor domains, 7961

zfh-1 protein regulation of somatic myogenesis, 7155

Zinc finger

association with SCAN box, 8526

repressor AP-2rep, 194

Zinc finger protein

PacC proteolytic processing, 1390 PZ120 trans repression of hMTIIA pro-

moter, 680 binding by p235, 623

Zta protein

transcriptional activation of latent EBV. 1617

